SONY

HD DIGITAL VIDEO SWITCHER

HDS-7000

POWER SUPPLY UNIT

HKDS-7690

SWITCHER CONTROL PANEL

BKDS-7011/7012/7025/7026

HKDS-7031

HKDS-7041

HZS-7010

HZS-7020

BKDS-7001

BKDS-7030

BKDS-7031

BKDS-7033

BKDS-7075

BKDS-7090

MAINTENANCE MANUAL Part 2

Volume 1 1st Edition

⚠警告

このマニュアルは，サービス専用です。
お客様が，このマニュアルに記載された設置や保守，点検，修理などを行うと感電や火災，人身事故につながることがあります。
危険をさけるため，サービストレーニングを受けた技術者のみご使用ください。

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

HDS-7000	Serial No. 10001 and Higher
HKDS-7690	Serial No. 10001 and Higher
BKDS-7011	Serial No. 10001 and Higher
BKDS-7012	Serial No. 10001 and Higher
BKDS-7025	Serial No. 10001 and Higher
BKDS-7026	Serial No. 10001 and Higher
HKDS-7031	Serial No. 10001 and Higher
HKDS-7041	Serial No. 10001 and Higher
HZS-7010	Software Version 1.00 and Later
HZS-7020	Software Version 1.00 and Later
BKDS-7001	Serial No. 10001 and Higher
BKDS-7030	Serial No. 10001 and Higher
BKDS-7031	Serial No. 10001 and Higher
BKDS-7033	Serial No. 10001 and Higher
BKDS-7075	Serial No. 10001 and Higher
BKDS-7090	Serial No. 10001 and Higher

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このマニュアルについて
Manual Structure

本書の目的

本書は，HDデジタルビデオスイッチャーHDS-7000のメンテナンスマニュアルパート2です。
本書は,サービスエンジニアの方々にご使用いただくことを想定し,本システムの部品レベルまでのサービスを前提とした情報（ブロック図，補修用部品，部品交換要項，半導体ピンアサイン，マウント図，回路図等）を記載しています。

Purpose of this manual

This manual is the maintenance manual part 2 of HD Digital Video Switcher HDS-7000.
This manual is intended for use by trained service engineers, and describes the information for detailed service information with the intention of servicing including block diagrams, detailed spare parts list, parts replacement, semicoductor pin assignments, board layouts, schematic diagrams.

構成

本書の構成を把握していただくために,全章の概略を以下に説明します。

メンテナンスマニュアル パート2 Volume 1
第1章　サービスインフォメーション
延長基板の使用方法，コネクタ，電源部の交換を記載しています。
第2章　Semiconductor Pin Assignments
半導体のピンアサインを記載しています。
第3章　Spare Parts
補修用部品を記載しています。
第4章　Location of Mounted Circuit Boards
基板配置図を記載しています。
第5章　Block Diagrams
オーバーオールブロック図と基板のブロック図をアルファベット順で記載しています。
第6章　Board Layouts
基板のマウント図をアルファベット順で記載しています。

メンテナンスマニュアル　パート2 Volume 2
第1章　Location of Mounted Circuit Boards
基板配置図を記載しています。
第2章　Schematic Diagrams
フレーム図と基板回路図をアルファベット順で記載しています。

Contents

This manual is organized by following sections.

Maintenance Manual　Part 2 Volume 1
Section 1　Service Overview
This section describes the use of extension board, and replacement of connectors and power supply block.
Section 2　Semiconductor Pin Assignments
This section describes the semiconductor pin assignments.
Section 3　Spare Parts
This section describes detailed spare parts list.
Section 4　Location of Mounted Circuit Boards
This section describes the location of mounted circuit boards.
Section 5　Block Diagrams
This section describes the overall block diagrams and block diagrams in the alphabetical order.
Section 6　Board Layouts
This section describes the board layouts of mounted circuit boards in the alphabetical order.

Maintenance Manual　Part 2 Volume 2
Section 1　Location of Mounted Circuit Boards
This section describes the location of mounted circuit boards.
Section 2　Schematic Diagrams
This section describes the frame wirings and schematic diagrams of the mounted circuit boards in the alphabetical order.

関連マニュアル

本システムには，この「メンテナンスマニュアル　パート2」のほかに，下記のマニュアルが用意されています。

- ユーザーズガイド (HZS-7010 に付属)
  本システムを実際に運用および操作するのに必要なマニュアルです。
  部品番号：3-862-187-01

- オペレーションマニュアル (本機に付属)
  本システムの概要，システム構成例，仕様について記載したマニュアルです。
  部品番号：3-862-468-01

- インストレーションマニュアル (本機に付属)
  本システムの納入設置時に必要な情報を記載したマニュアルです。
  部品番号：3-194-862-01

- メンテナンスマニュアル　パート1
  (本機に付属)
  本システムの保守に関する情報，主なブロックおよび基板交換によるサービスを前提とした情報を記載したマニュアルです。
  部品番号：3-194-861-01

なお，マニュアルの部品番号は1998年8月現在のものです。

Related manuals

The following manuals are prepared for HDS-7000.

- User's Guide (Supplied with HZS-7020)
  This manual describes the application and operation of HDS-7000.

- Operation Manual (Supplied with HDS-7000)
  This manual describes the overview, system configuration examples and specifications.
  Part number : 3-862-468-01

- Installation Manual (Supplied with HDS-7000)
  This manual describes the information when installing HDS-7000.
  Part number : 3-194-862-01

- Maintenance Manual Part 1
  (Supplied with HDS-7000)
  This manuals describe the information for the periodic maintenance, and the information for the service with predicated on the replacement of the principal blocks and mounted circuit boards.
  Part number : 3-194-861-01

The part numbers of these manuals as of August, 1998 describe.

第1章　サービスインフォメーション
Section 1　Service Overview

1-1. 延長基板の使用方法

Slot 1～13 用
EX-700 延長基板
ソニー部品番号 : J-6520-300-A

Slot 14～16 用
EX-638 延長基板
ソニー部品番号 : J-6520-290-A

注意
延長基板は必ず指定されたスロットに挿入してください。指定されたスロット以外で使用すると,基板が壊れる原因となります。

1. 本機から動作確認を行う基板を引き出す。
(Maintenance Manual Part1 1-1-3 項 参照)
2. 図のようにイジェクトレバーを開いた状態で,延長基板を基板ガイドレールに差し込む。
3. イジェクトレバーを矢印方向に閉じながら,延長基板を押し込む。

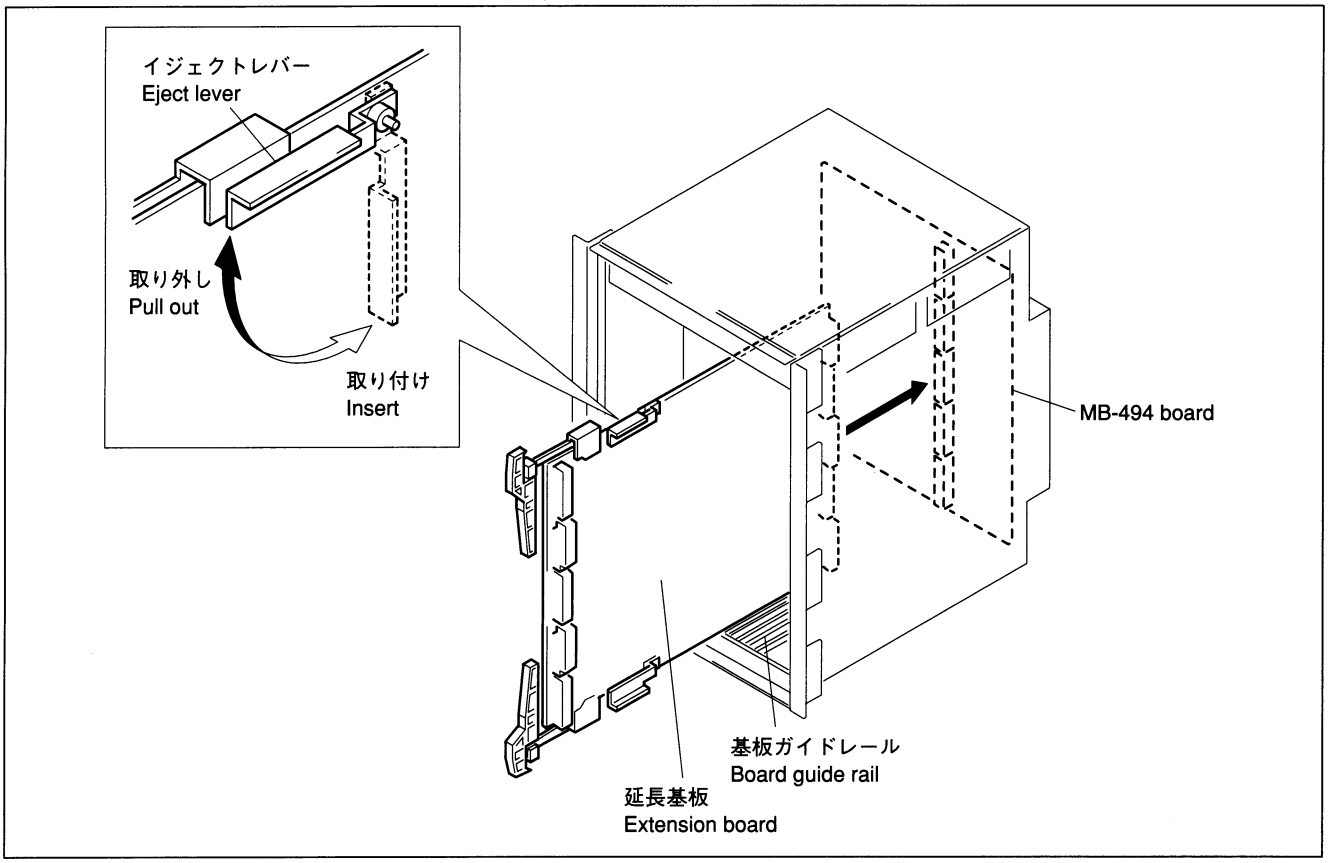
1-1. Use of Extension Boards

For slots 1 through 13
Extension board, EX-700
Sony part No. : J-6520-300-A

For slots 14 through 16
Extension board, EX-638
Sony part No. : J-6520-290-A

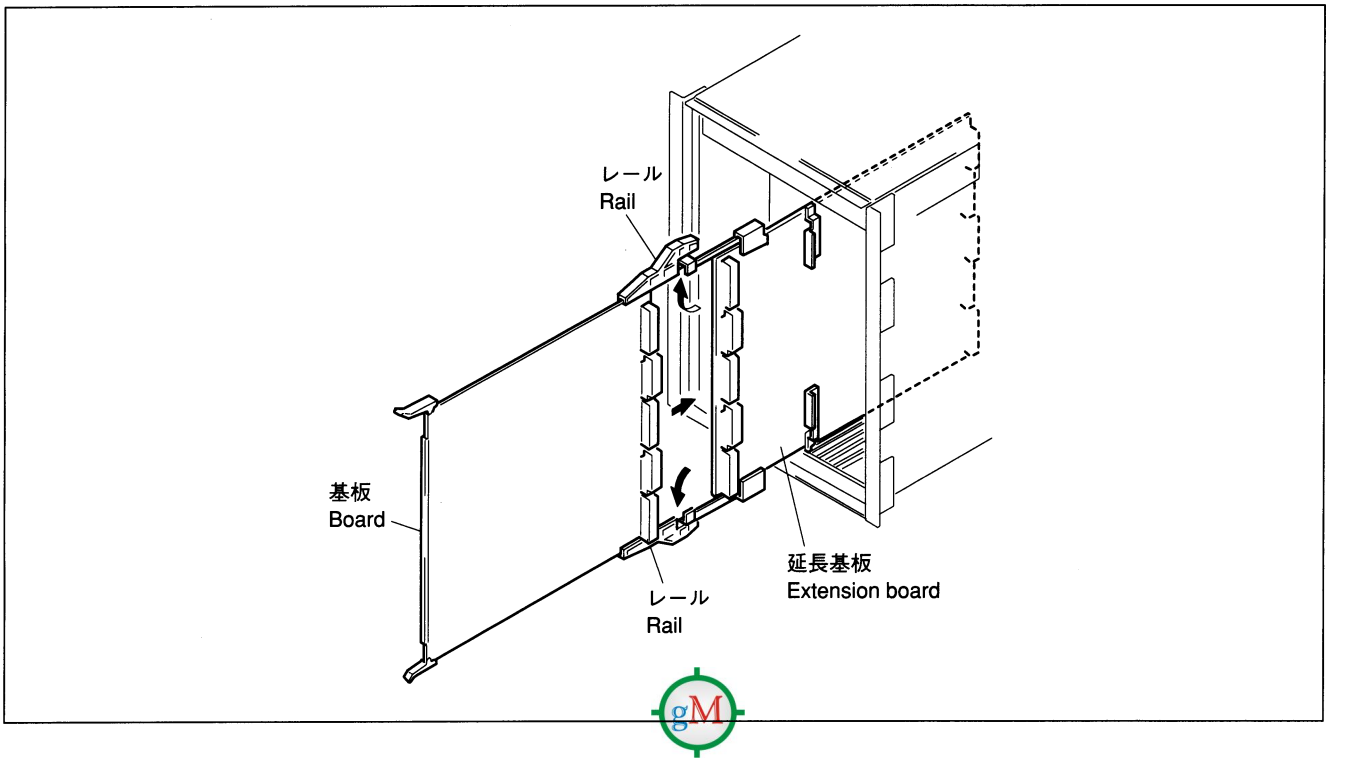
Note
To avoid damage to the mounted circuit boards, be sure to insert the extension boards to the specified slots.

1. Pull out the board to check the operation from the unit. (Refer to the section 1-1-3 in the maintenance manual part 1.)
2. Insert the extension board along the board guide rails while putting the eject levers to "Pull out" position as shown in the figure.
3. Connect the extension board to the connectors on the mother board by putting the eject levers to "Insert" position as shown in the figure.



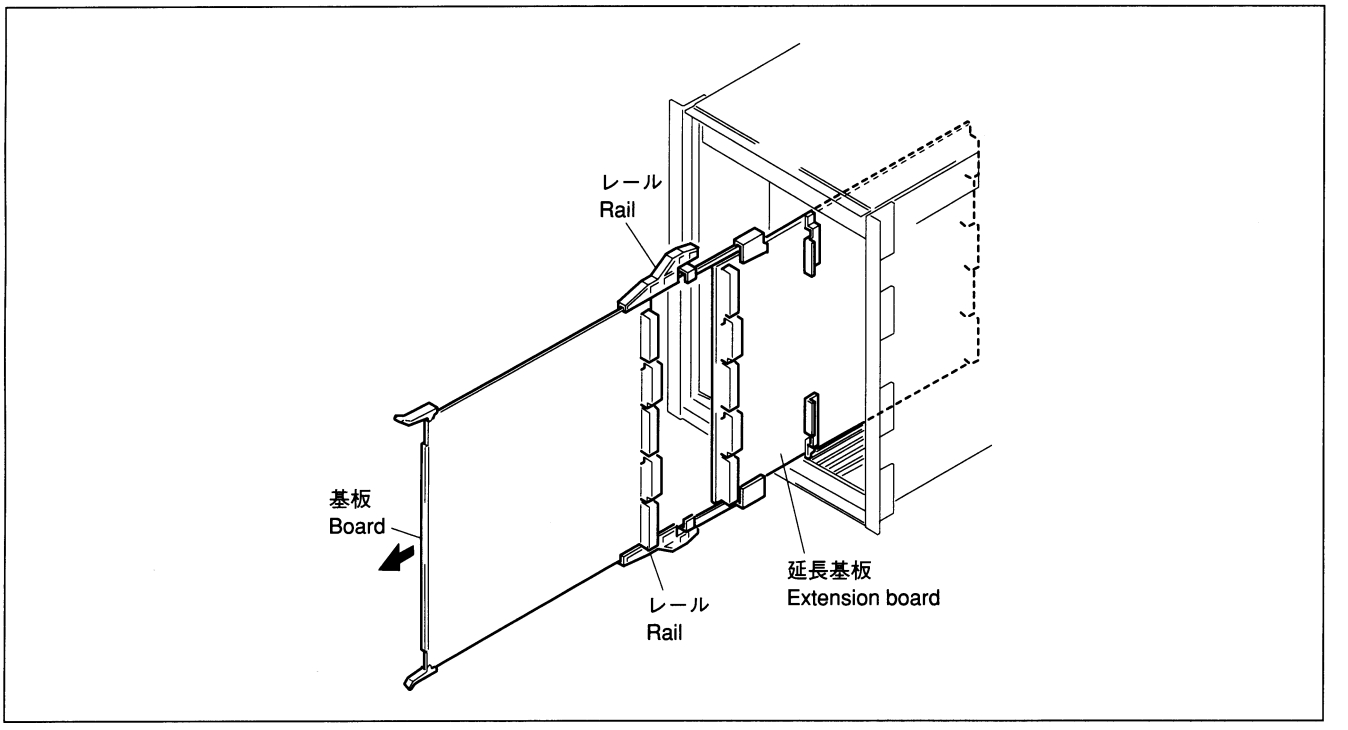
4. 矢印方向に延長基板のレールを開く。
5. 基板を延長基板のレールに差し込む。

4. Pull the rails of the extension board in the direction of the arrow.
5. Insert the board to check along the rails of the extension board.



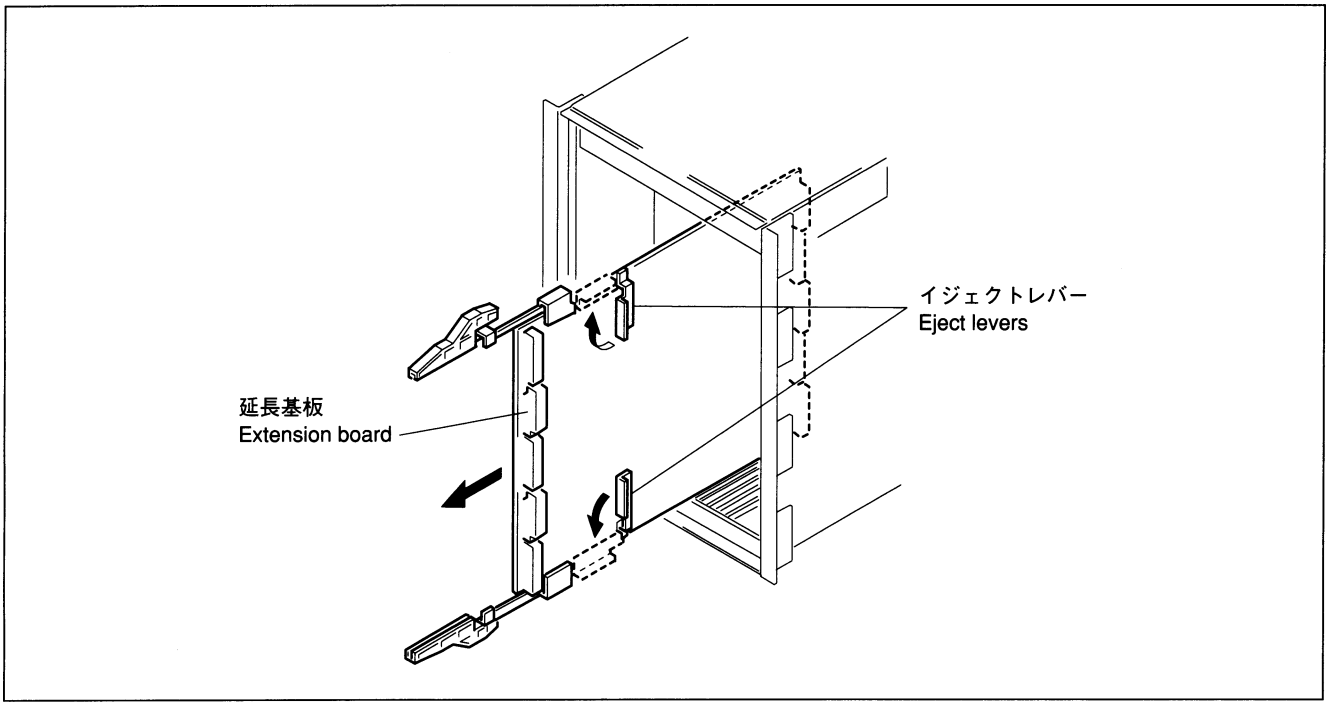
6. 基板の動作確認を行う。
7. 確認後，基板を延長基板のレールから引き抜く。

6. Check the operation of the board.
7. After the check is completed, pull out the checked board from the rails of the extension board.



8. 延長基板のイジェクトレバーを矢印方向に開く。
9. 本機から延長基板を引き出す。

8. Pull the eject levers of the extension board in the direction of the arrow.
9. Pull out the extension board from the unit.



1-2. コネクタの交換

⚠注意
部品の交換をするときは，必ず電源スイッチをOFFしてから，外部に設置されたブレーカをOFFするか電源コードを抜いてください。
電源を入れた状態で部品の交換を行うと，基板が壊れたり感電する恐れがあります。

1-2-1. D-SUB コネクタの交換

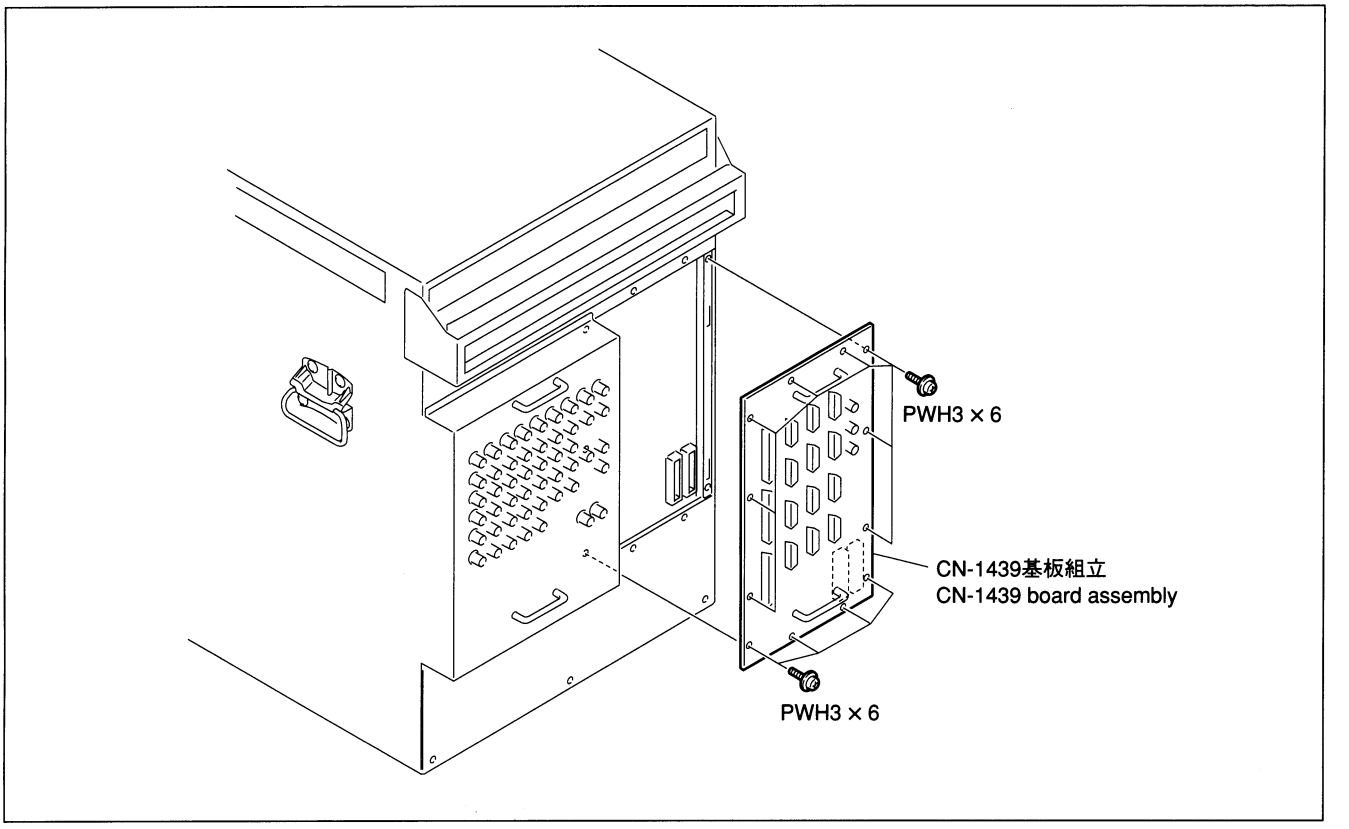
1. ネジ12本を外し，CN-1439基板組立を取り外す。

1-2. Replacement of Connectors

CAUTION
To avoid shock hazards and/or damage to the mounted circuit boards, be sure to turn off the power switch, and then turn off the breaker at the outside of HDS-7000 or unplug the power cord before replacing the parts.

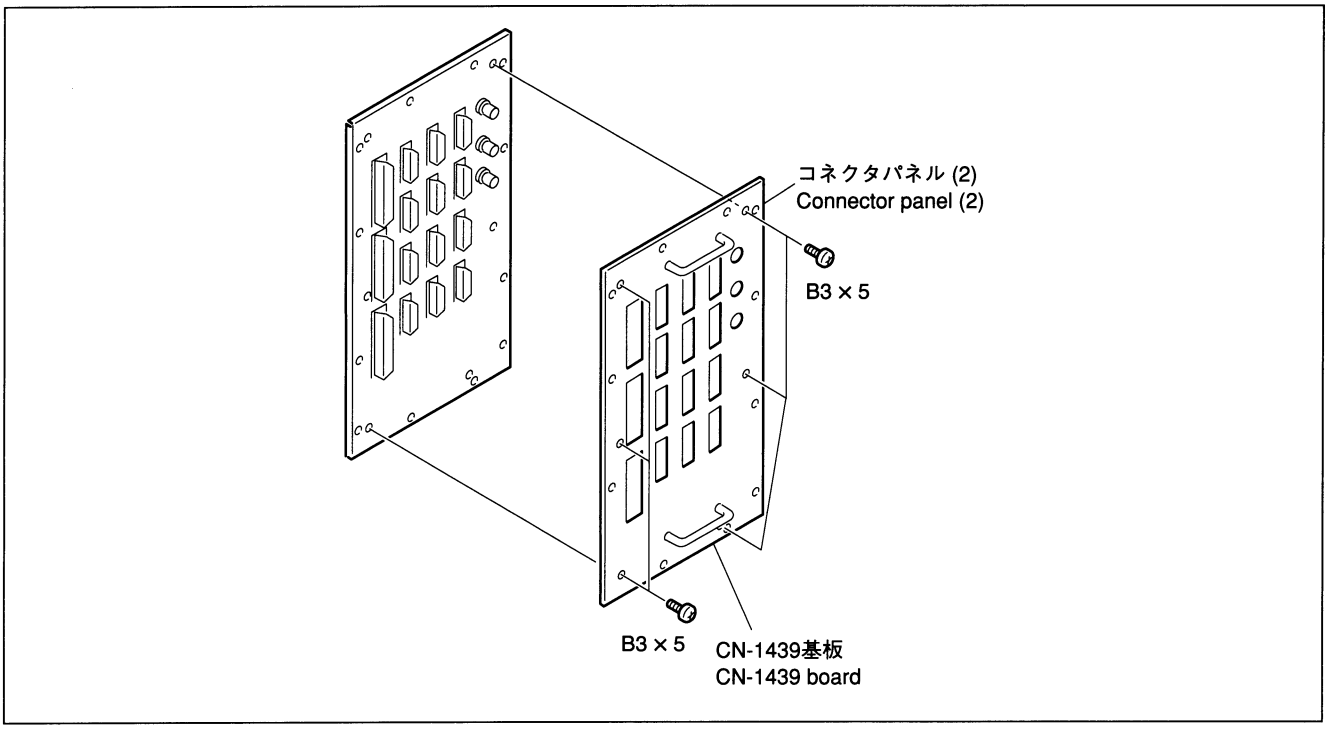
1-2-1. Replacement of D-SUB Connectors

1. Remove the twelve screws and the CN-1439 board assembly.



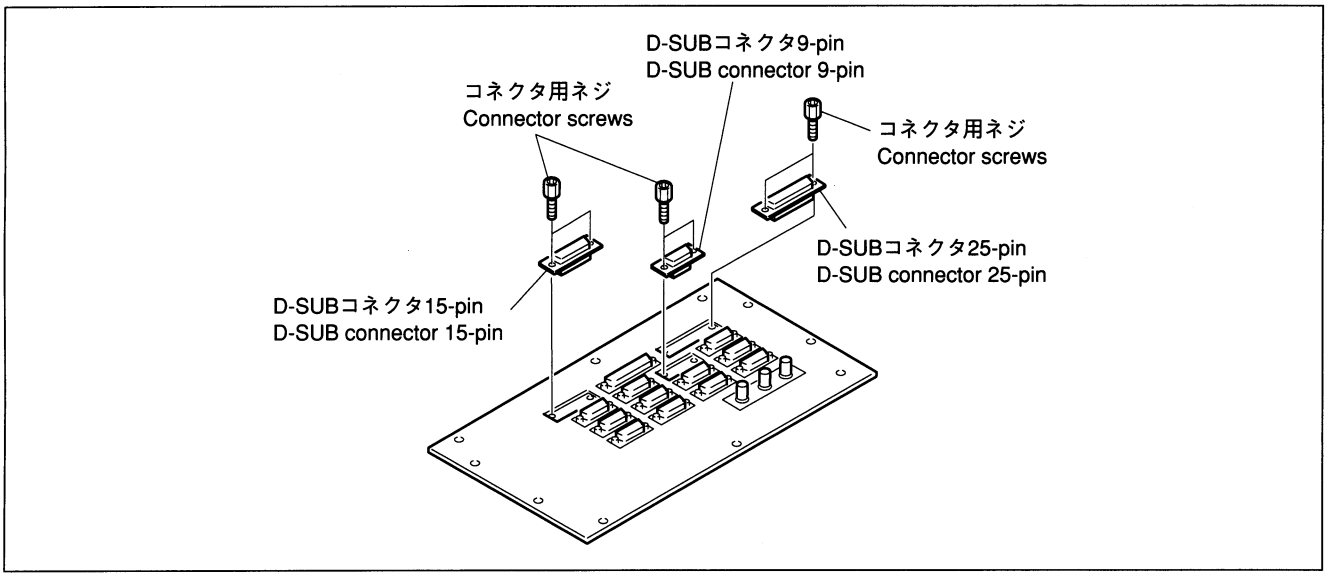
2. ネジ6本を外し，コネクタパネル (2) を取り外す。

2. Remove the six screws and the connector panel (2).



3. 交換するD-SUBコネクタを固定しているネジ2本を外す。
4. 交換するD-SUBコネクタのはんだ付けを外す。
5. 新しいD-SUBコネクタを，CN-1439基板組立にネジ2本で止める。
6. 新しいD-SUBコネクタをはんだ付けする。

3. Remove the two screws securing the D-SUB connector to replace.
4. Desolder the D-SUB connector to replace.
5. Secure a new D-SUB connector to the CN-1439 board assembly by the two screws.
6. Solder a new D-SUB connector.



7. コネクタパネル (2) をネジ6本で止める。
8. CN-1439基板組立をネジ12本で止める。

7. Secure the connector panel (2) to the CN-1439 board assembly by the six screws.
8. Secure the CN-1439 board assembly to the unit by the twelve screws.

1-2-2. CN-1439基板 BNCコネクタの交換

1. CN-1439基板組立を取り外す。(1-2-1項 参照)
2. コネクタパネル (2) 上のネジ6本を外し，コネクタパネル (2) を取り外す。
3. コネクタ取付板(B)を裏から止めているネジ2本を外す。
4. 全てのBNCコネクタのはんだ付けを外す。
5. 全てのBNCコネクタのナットとワッシャを外し，コネクタ取付板 (B) から外す。
6. 全てのBNCコネクタを基板に差し込む。
7. コネクタ取付板 (B) を基板にネジ2本で取り付ける。
8. 全てのBNCコネクタを，ナットとワッシャでコネクタパネル (2) に固定する。

   注意

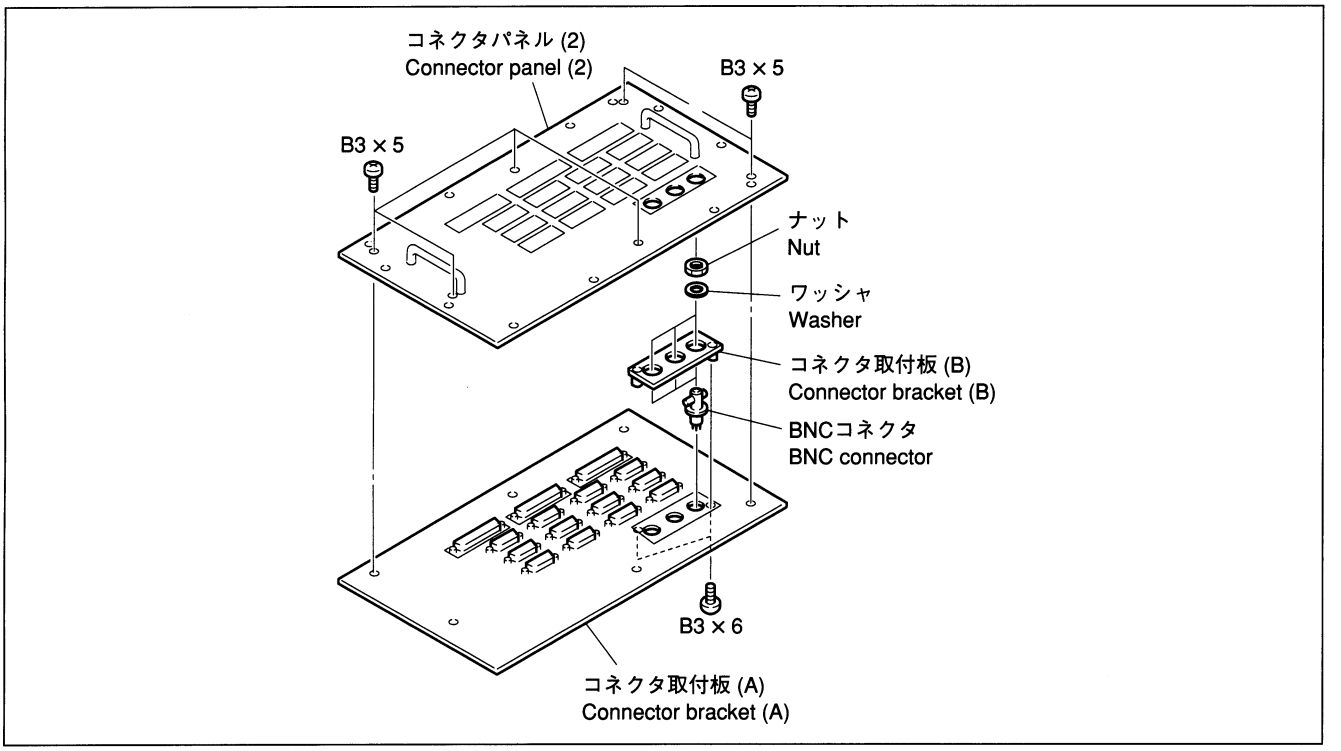
   はんだ付けのまえに，必ずBNCコネクタをコネクタパネル (2) に仮止めしてください。仮止めしないで先にはんだ付けした場合，BNCコネクタをコネクタパネル (2) に完全にはめ込めないことがあります。
9. 全てのBNCコネクタをはんだ付けする。
10. コネクタパネル (2) を，コネクタ取付板 (A) にネジ6本で取り付ける。

1-2-2. Replacement of BNC Connectors on CN-1439 Board

1. Remove the CN-1439 board assembly. (Refer to the section 1-2-1.)
2. Remove the six screws on the connector panel (2) shown in the figure, and then remove the connector panel (2).
3. Remove the two screws fixing the connector bracket (B) from the rear.
4. Remove soldering of all BNC connectors.
5. Remove the nuts and washers of all BNC connectors, and remove the BNC connectors.
6. Insert the pins of all BNC connectors to the CN board.
7. Fix the connector bracket (B) to the CN board with the two screws.
8. Fix all BNC connectors to the connector panel (2) by the nuts and washers.

   Note

   Before soldering, be sure to temporarily secure the BNC connector to the connector panel (2).
   If not, the BNC connector may not be securely inserted in the hole of the connector panel (2).
9. Solder all BNC connectors.
10. Secure the connector panel (2) to the connector bracket (A) by the six screws.



11. 手順1～2の逆の手順で組み立てる。

11. Assemble the parts in the reverse order of the steps 1 through 2.

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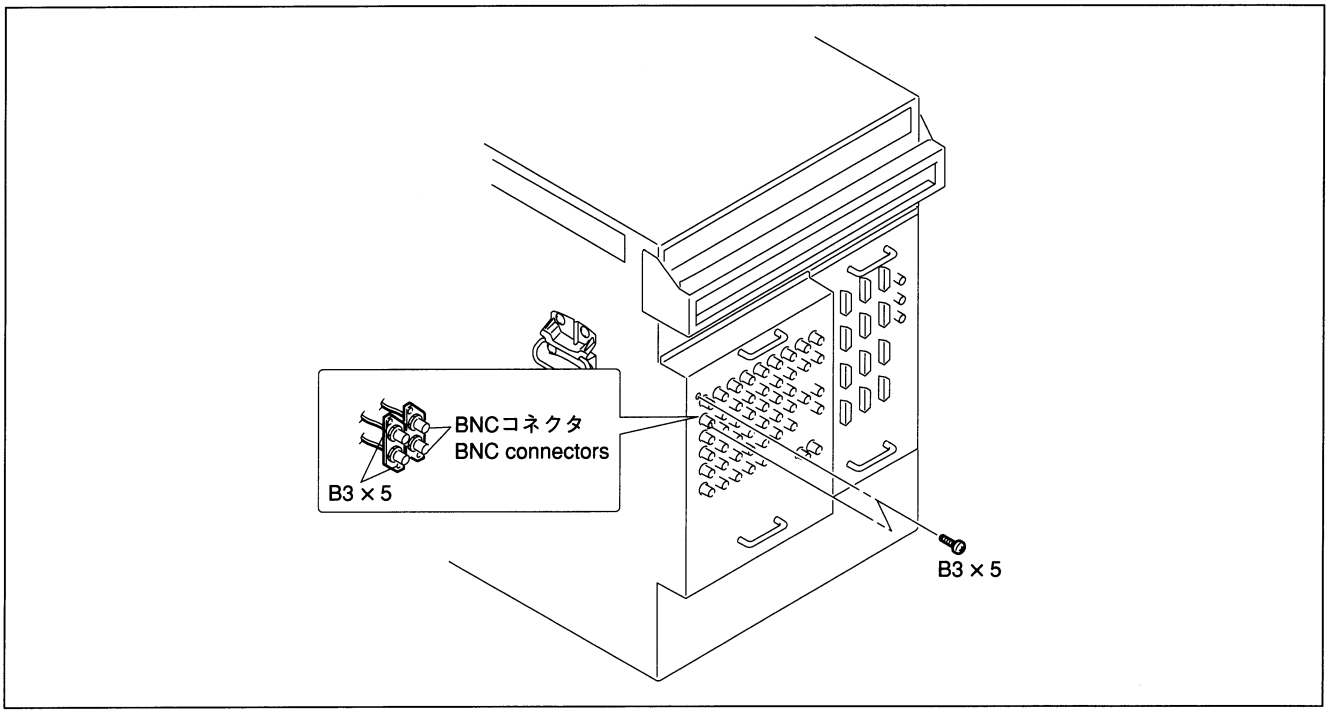
1-2-3. INPUT/OUTPUT 同軸ケーブルの交換

1. 交換する同軸ケーブルの，先端の BNC コネクタのネジ 2 本を外す。

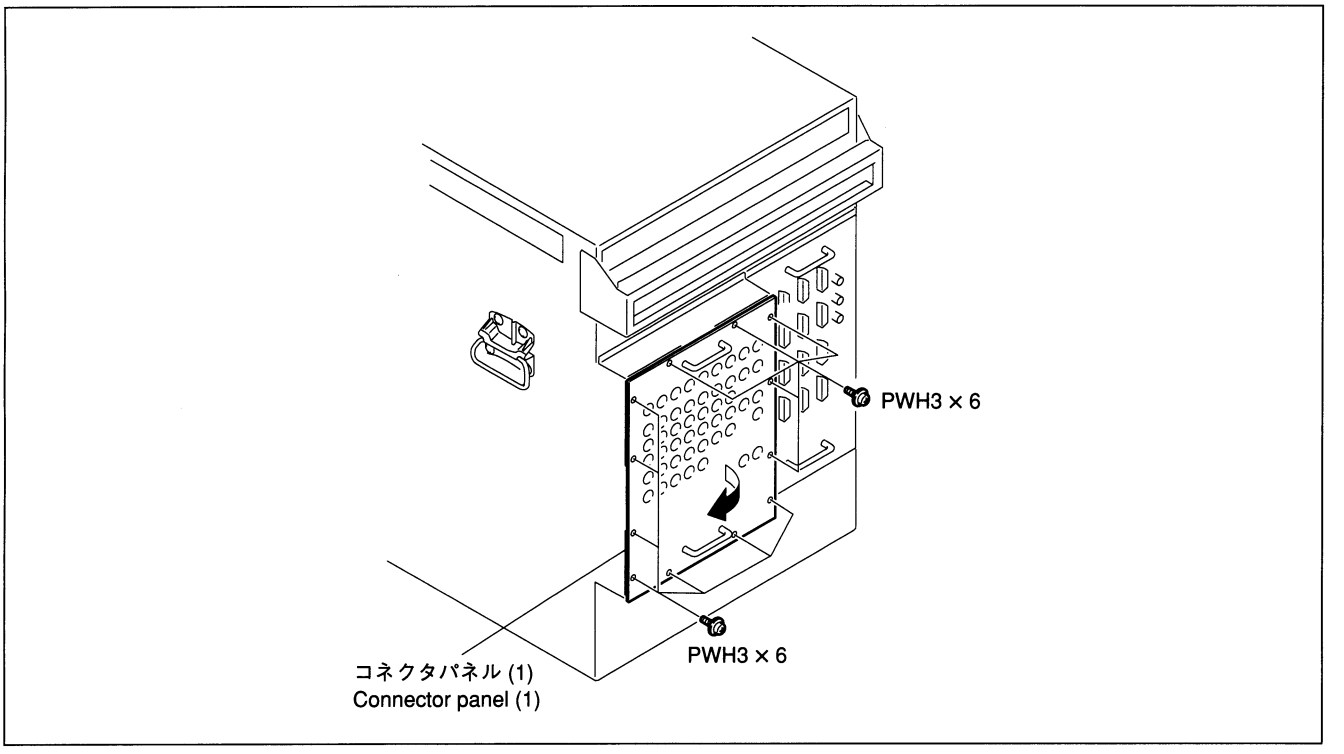
1-2-3. Replacement of Input/Output Coaxial Cable

1. Remove the two screws from the BNC connector at the tip of the coaxial cable to replace.



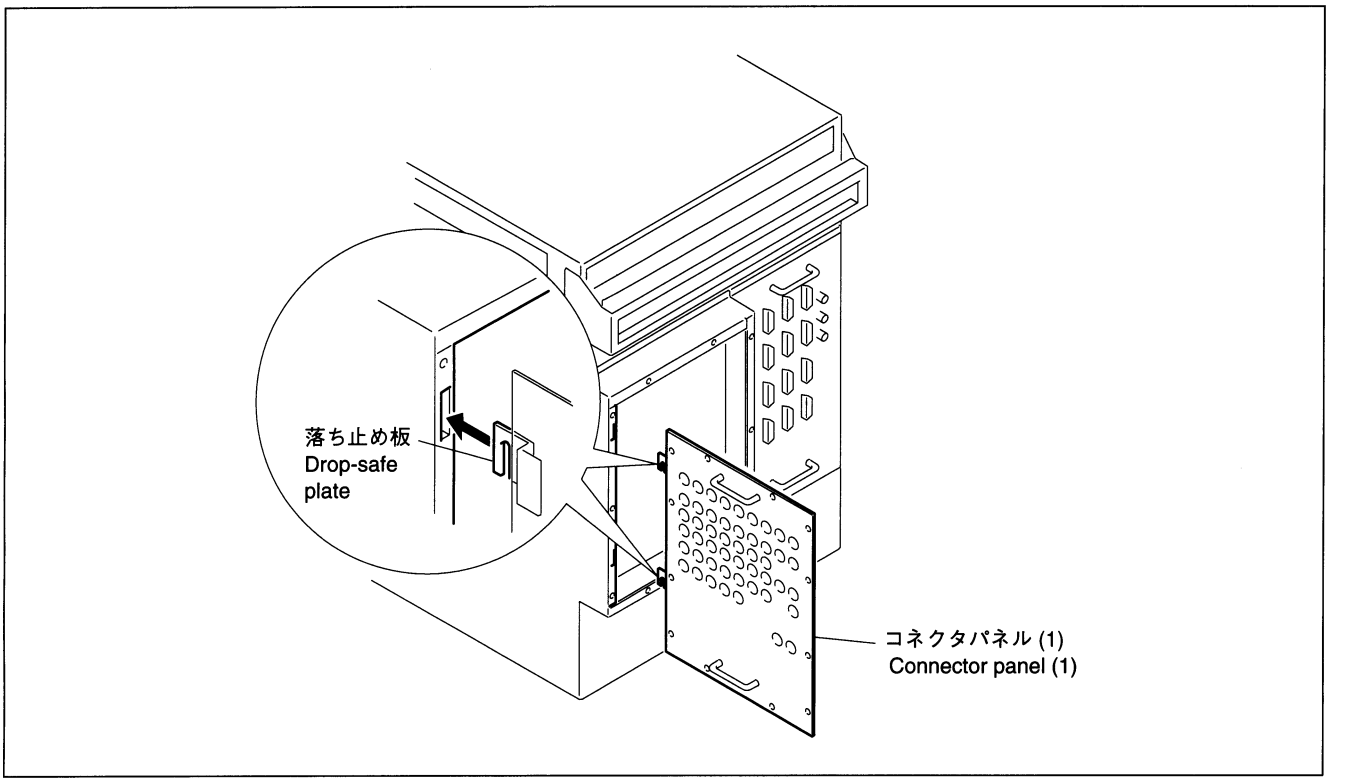
2. ネジ 12 本を外し，コネクタパネル (1) を矢印方向に開く。

2. Remove the twelve screws and open connector panel (1) in the direction indicated by the arrow.



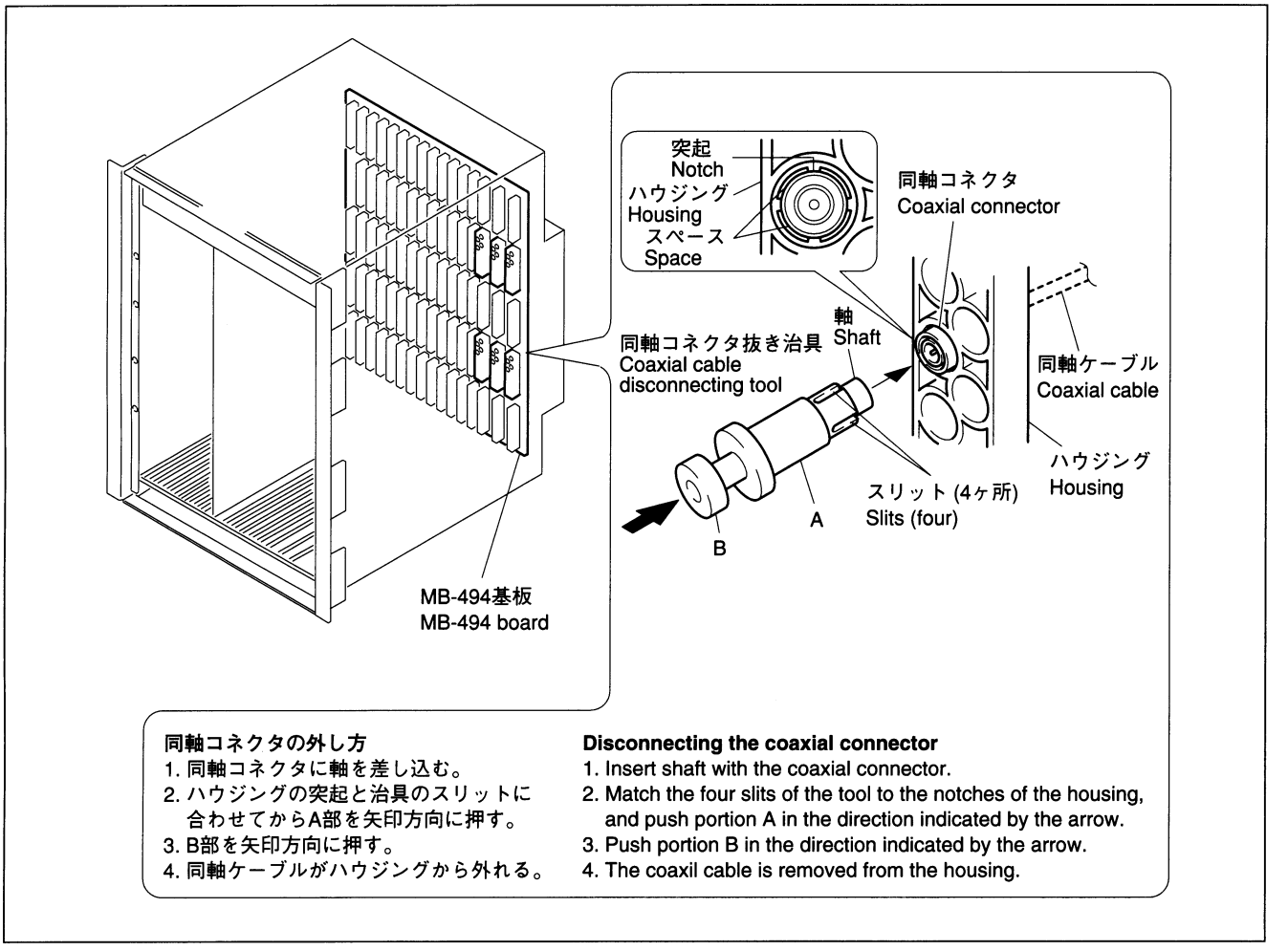
3. コネクタパネル (1) の落ち止め板を図示部に引っかける。

3. Hook the drop-safe plates of the connector panel (1) as shown.



4. 交換する同軸ケーブルのBNCコネクタを外す。
5. 同軸ケーブルを束ねている結束バンドをカットする。
6. フロントパネルを取り外す。(Maintenance Manual Part1 1-1-1項 参照)
7. 交換する同軸ケーブルが接続されている基板 (DI-21基板またはOUT-7基板) およびその左右の基板を取り外す。(Maintenance Manual Part1 1-1-3項 参照)
8. フロント側から手を入れて, 手順3で外した同軸ケーブルが接続されている同軸コネクタを, 同軸コネクタ抜き治具を使用してMB-494基板のハウジングから引き抜く。
   名　称　：同軸コネクタ抜き治具
   部品番号：J-6520-200-A
9. コネクタパネル (1) に新しい同軸ケーブルのBNCコネクタをネジ2本で止める。

4. Disconnect the BNC connector of the coaxial cable to replace.
5. Cut the band bundling the coaxial cable.
6. Remove the front panel. (Refer to the section 1-1-1 in the maintenance manual part 1.)
7. Remove the board (DI-21 or OUT-7 board), to which the coaxial cable to be replaced is connected, and the boards on the right and left of it. (Refer to the section 1-1-3 in the maintenance manual part 1.)
8. Put your hand from the front side and pull out the coaxial connector, to which the coaxial cable removed in step 3 is connected, from the MB-494 board using a coaxial cable disconnecting tool.
   Name　: Coaxial cable disconnecting tool
   Part No.: J-6520-200-A
9. Secure the BNC connector of a new coaxial cable to connector panel (1) with two screws.

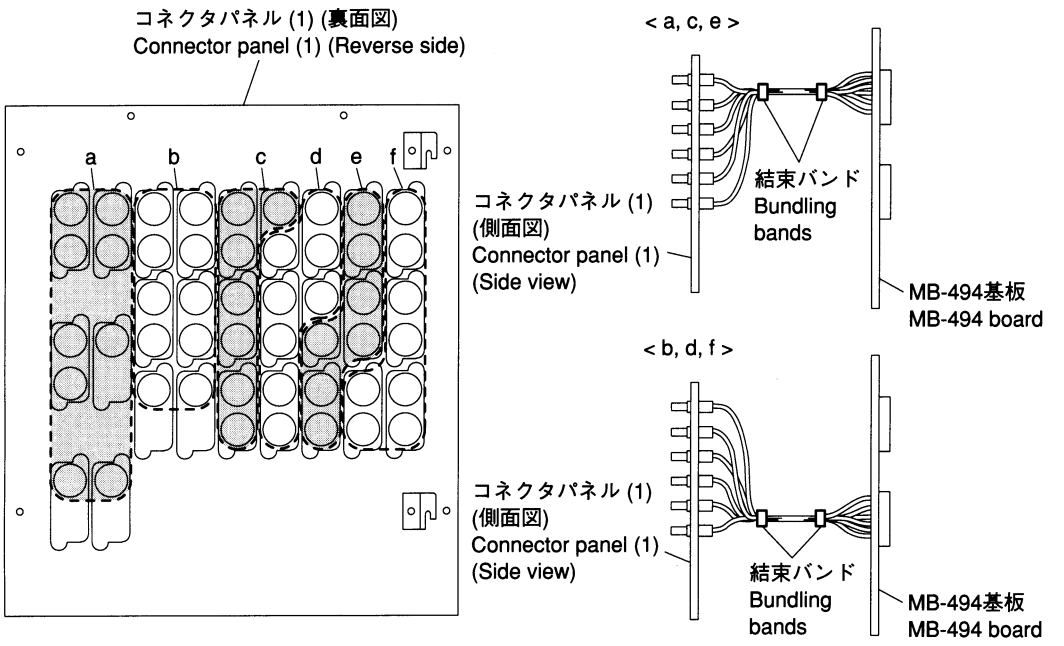


同軸コネクタの外し方
1. 同軸コネクタに軸を差し込む。
2. ハウジングの突起と治具のスリットに合わせてからA部を矢印方向に押す。
3. B部を矢印方向に押す。
4. 同軸ケーブルがハウジングから外れる。

Disconnecting the coaxial connector
1. Insert shaft with the coaxial connector.
2. Match the four slits of the tool to the notches of the housing, and push portion A in the direction indicated by the arrow.
3. Push portion B in the direction indicated by the arrow.
4. The coaxil cable is removed from the housing.

10. 手順9で取り付けた同軸ケーブルの同軸コネクタを，MB-494基板のハウジングに差し込む。
取り付けたBNCコネクタに対する同軸コネクタの接続先は下図の通り。
注意
接続先を間違えると信号が正しく入出力されません。

10. Insert the coaxial connector of the coaxial cable fixed in step 9 into the housing on the MB-494 board.
The coaxial connector is connected to the secured BNC connector as shown in the figure below.
Note
If the coaxial connector is incorrectly connected to the BNC connector, a signal is not input and output properly.



同軸ケーブルのチューブ表示 Indication on tube of coaxial cable	MB-494基板 MB-494 board		同軸ケーブルのチューブ表示 Indication on tube of coaxial cable	MB-494基板 MB-494 board	
CLEAN	CNW16	CLN	PRIMARY INPUTS 6	CNW15	IN6
ME-1 1	CNW16	1ME1	PRIMARY INPUTS 7	CNW15	IN7
ME-1 2	CNW16	1ME2	PRIMARY INPUTS 8	CNY15	IN8
ME-2 1	CNW16	2ME1	PRIMARY INPUTS 9	CNY15	IN9
ME-2 2	CNW16	2ME2	PRIMARY INPUTS 10	CNY15	IN10
PGM 1	CNW16	PGM1	PRIMARY INPUTS 11	CNY15	IN11
PGM 2	CNW16	PGM2	PRIMARY INPUTS 12	CNY15	IN12
PGM 3	CNW16	PGM3	PRIMARY INPUTS 13	CNY15	IN13
PVW	CNW16	PVW	PRIMARY INPUTS 14	CNY15	IN14
AUX OUTPUTS 1	CNY16	AX1	PRIMARY INPUTS 15	CNY15	IN15
AUX OUTPUTS 2	CNY16	AX2	PRIMARY INPUTS 16	CNW14	IN16
AUX OUTPUTS 3	CNY16	AX3	PRIMARY INPUTS 17	CNW14	IN17
AUX OUTPUTS 4	CNY16	AX4	PRIMARY INPUTS 18	CNW14	IN18
AUX OUTPUTS 5	CNY16	AX5	PRIMARY INPUTS 19	CNW14	IN19
AUX OUTPUTS 6	CNY16	AX6	PRIMARY INPUTS 20	CNW14	IN20
AUX OUTPUTS 7	CNY16	AX7	PRIMARY INPUTS 21	CNW14	IN21
AUX OUTPUTS 8	CNY16	AX8	PRIMARY INPUTS 22	CNW14	IN22
AUX OUTPUTS 9	CNY16	AX9	PRIMARY INPUTS 23	CNY14	IN23
AUX OUTPUTS 10	CNY16	AX10	PRIMARY INPUTS 24	CNY14	IN24
PRIMARY INPUTS 1	CNW15	IN1	PRIMARY INPUTS 25	CNY14	IN25
PRIMARY INPUTS 2	CNW15	IN2	PRIMARY INPUTS 26	CNY14	IN26
PRIMARY INPUTS 3	CNW15	IN3	PRIMARY INPUTS 27	CNY14	IN27
PRIMARY INPUTS 4	CNW15	IN4	PRIMARY INPUTS 28	CNY14	IN28
PRIMARY INPUTS 5	CNW15	IN5	PRIMARY INPUTS 29	CNY14	IN29
			PRIMARY INPUTS 30	CNY14	IN30

11. 結束バンドで同軸ケーブルを束ねる。
12. コネクタパネル (1) を閉じ，ネジ12本で止める。
13. 手順1～7の逆の手順で本機を組み立てる。

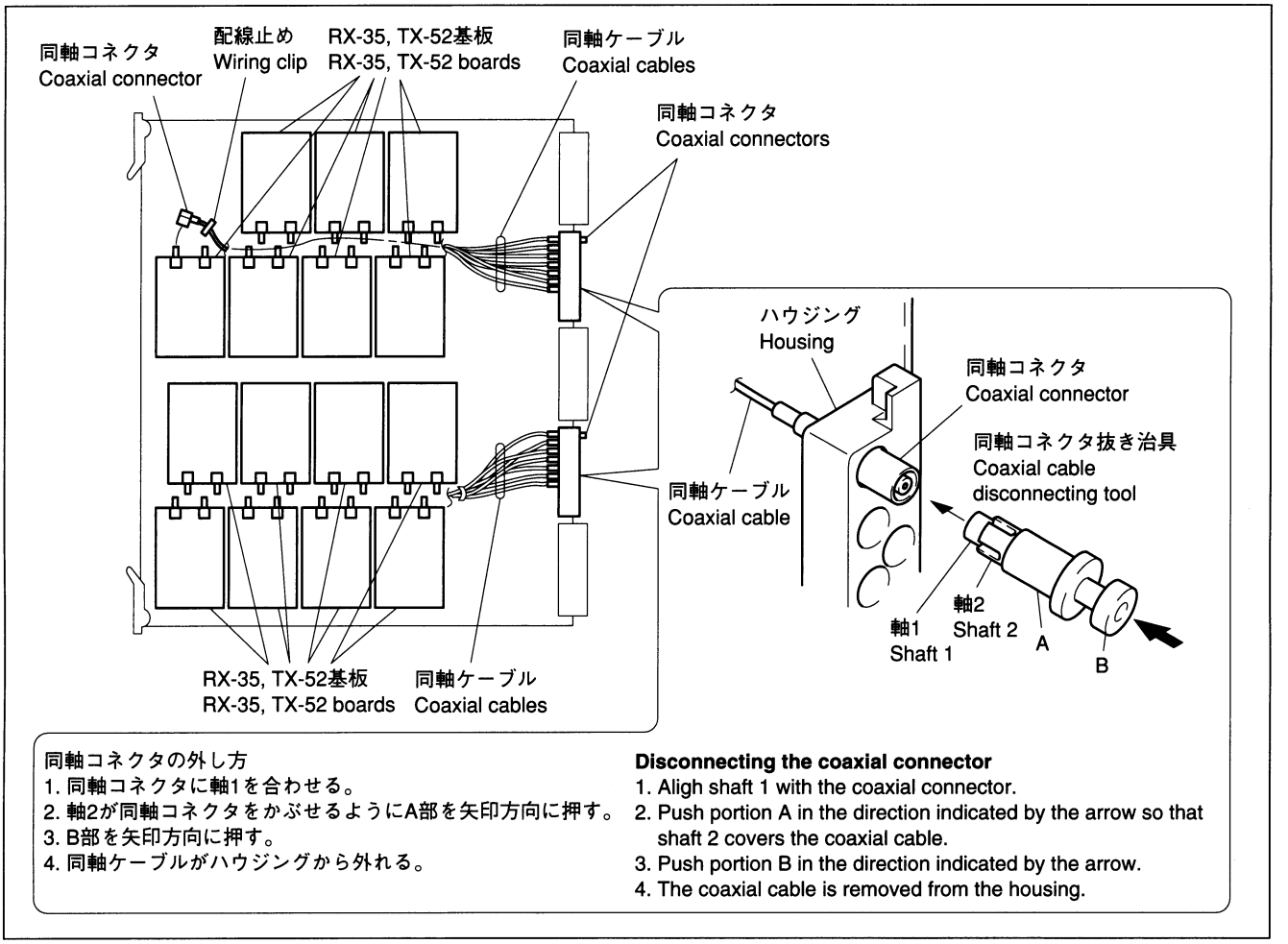
11. Bundle the coaxial cable using a bundling band.
12. Close connector panel (1) and fix it with twelve screws.
13. Assemble the unit in the reverse order of the steps 1 through 7.

1-2-4. DI-21, OUT-7 基板の同軸ケーブルの交換

1. 本機から DI-21, OUT-7 基板を引き出す。(Maintenance Manual Part1 1-1-3 項 参照)
2. DI-21, OUT-7基板の同軸ケーブルを押さえている配線止めを外す。
3. 交換する同軸ケーブルの先端の同軸コネクターを同軸コネクタ抜き治具を使用して、ハウジングから引き抜く。
   名　称　：同軸コネクタ抜き治具
   部品番号：J-6520-200-A
4. 手順3で引き抜いた同軸ケーブルが接続されている同軸コネクタを , RX-35, TX-52 基板から引き抜く。
   ・DI-21 基板の同軸ケーブルを交換するときは RX-35 基板
   ・OUT-7基板の同軸ケーブルを交換するときはTX-52基板

1-2-4. Replacement of Coaxial Cable on DI-21 and OUT-7 Boards

1. Pull out the DI-21 and OUT-7 boards from the unit. (Refer to the section 1-1-3 in the maintenance manual part 1.)
2. Remove the wiring clip holding the coaxial cable on the DI-21 and OUT-7 boards.
3. Pull out the coaxial connector at the tip of the coaxial cable to be replaced from the housing using a coaxial cable disconnecting tool.
   Name　: Coaxial cable disconnecting tool
   Part No. : J-6520-200-A
4. Pull out the coaxial connector, to which the coaxial cable pulled out in step 3 is connected, from the RX-35 and TX-52 boards.
   • Pull out the coaxial connector from the RX-35 board when the coaxial cable on the DI-21 board is replaced.
   • Pull out the coaxial connector from the TX-52 board when the coaxial cable on the OUT-7 board is replaced.



同軸コネクタの外し方
1. 同軸コネクタに軸1を合わせる。
2. 軸2が同軸コネクタをかぶせるようにA部を矢印方向に押す。
3. B部を矢印方向に押す。
4. 同軸ケーブルがハウジングから外れる。

Disconnecting the coaxial connector
1. Aligh shaft 1 with the coaxial connector.
2. Push portion A in the direction indicated by the arrow so that shaft 2 covers the coaxial cable.
3. Push portion B in the direction indicated by the arrow.
4. The coaxial cable is removed from the housing.

5. 1から4の逆の手順で新しい同軸ケーブルを取り付ける。

5. Install a new coaxial cable in the reverse order of the steps 1 through 4.

1-3. HKDS-7690 電源部の交換

1-3-1. 基板の交換

1. RE-162 基板の交換

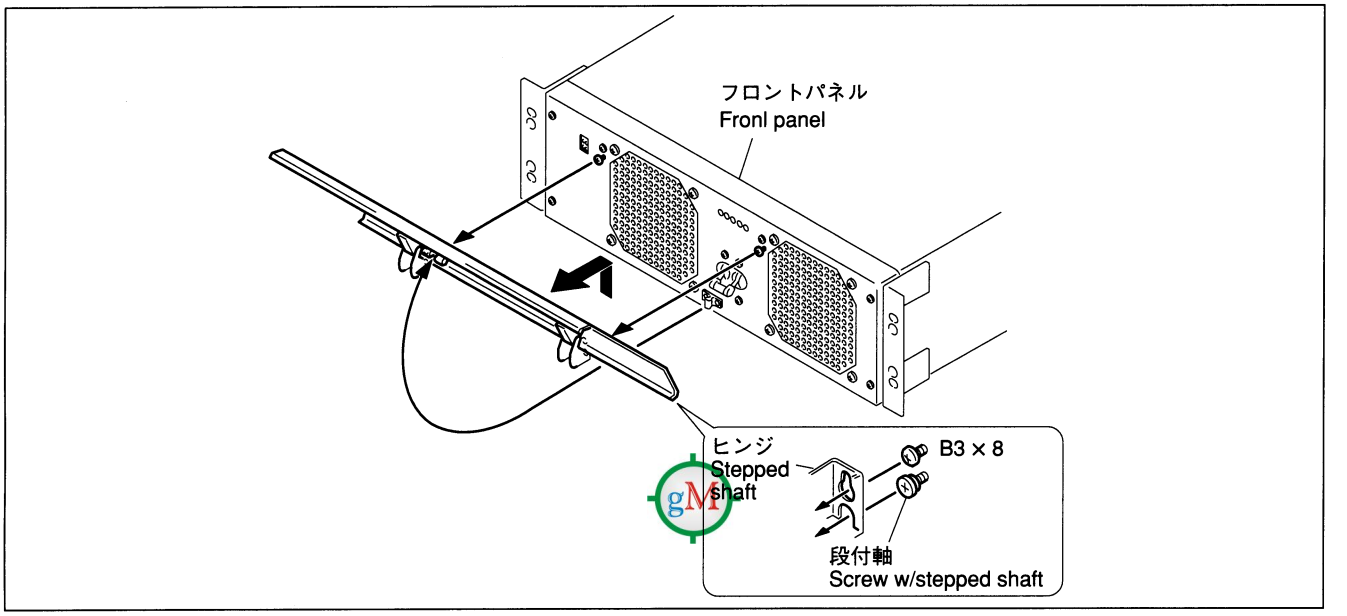
1. フロントカバーを開き，ネジ2本 (B3 × 8) をゆるめる。
2. フロントカバーを矢印方向に上げ，手前に引いて外す。

1-3. HKDS-7690 Power Supply Block Replacement

1-3-1. Replacement of Boards

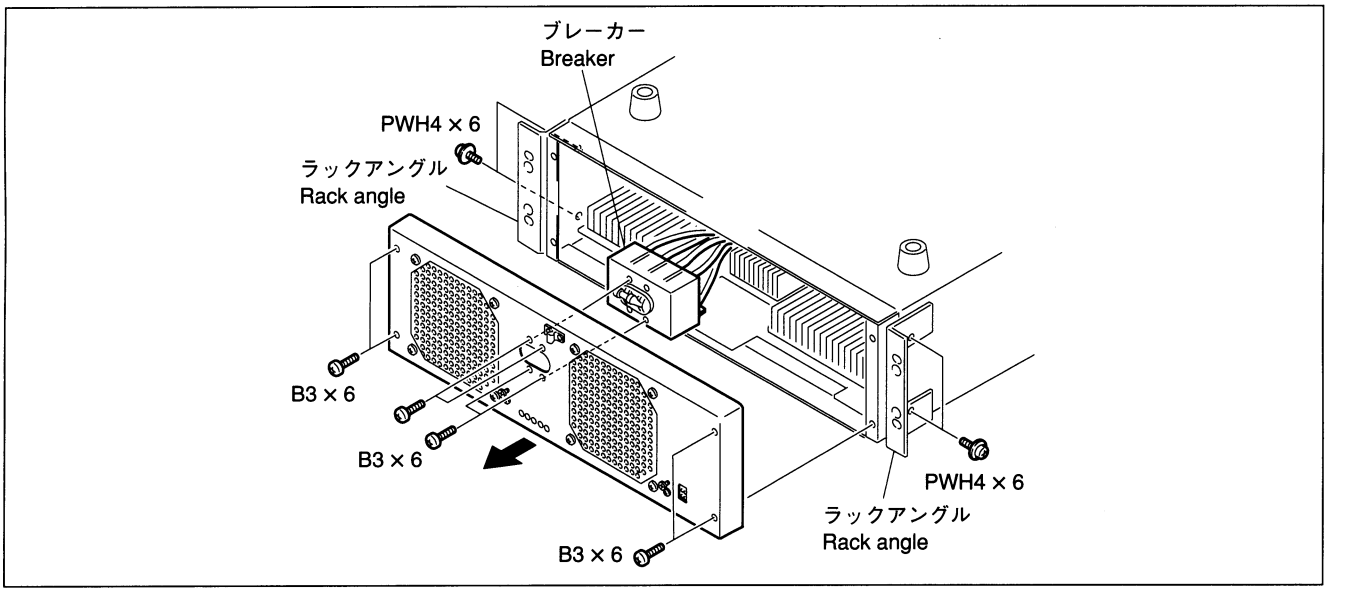
1. RE-162 Board Replacement

1. Open the front cover, and then loosen the two screws (B3 × 8).
2 Pull up the front cover in the direction of the arrow, and then remove it.



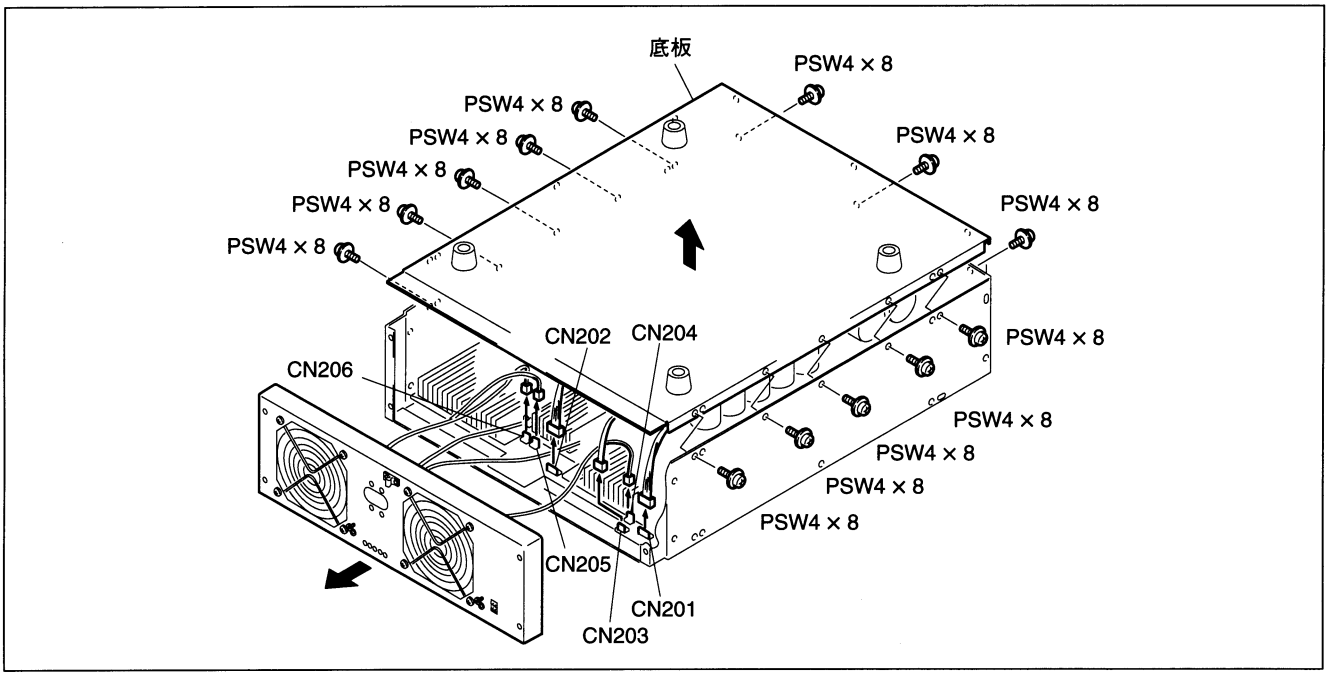
3. セットを上下逆にする。
4. 左右のラックアングルのネジ4本をゆるめる。
5. ブレーカーを取り付けているネジ4本を外す。
6. ネジ4本を外し，フロントパネルを手前に引き寄せる。

3. Turn the unit upside down.
4. Loosen the four screws of the rack angles on the right and left sides.
5. Remove the four screws securing the breaker.
6. Remove the four screws, and then pull the front panel toward you.



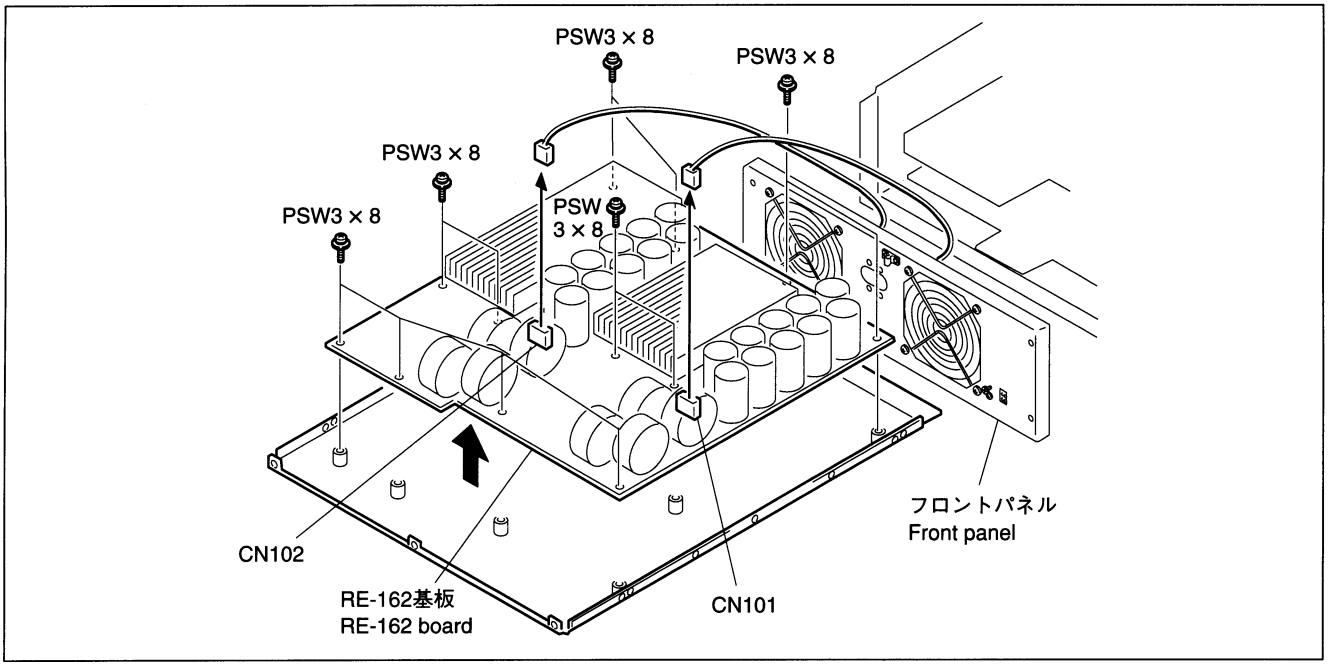
7. ネジ 13 本を外す。
8. RE-163基板上のコネクタ3個 (CN201～CN203) を外す。
9. RE-163基板上のコネクタ3個 (CN204～CN206) を外し，フロントパネルを外す。
10. 底板を外す。

7. Remove the thirteen screws.
8. Disconnect the three connectors (CN201 through CN203) on the RE-163 board.
9. Disconnect the three connectors (CN204 through CN206) on the RE-163 board, and then remove the front panel.
10. Remove the bottom panel.



11. RE-162基板上のコネクタ2個 (CN101, CN102) を外す。
12. ネジ 12 本を外し，RE-162 基板を取り外す。
13. 手順1～12の逆の手順で RE-162 基板を取り付ける。

11. Disconnect the two connectors (CN101 and CN102) on the RE-162 board.
12. Remove the twelve screws, and the RE-162 board.
13. Install the new RE-162 board in the reverse order of the steps 1 through 12.

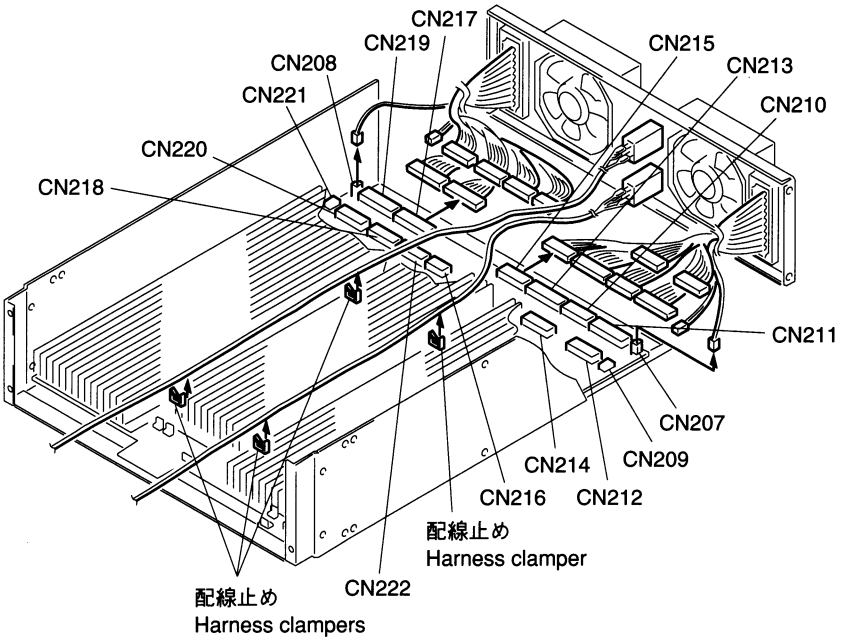


2. RE-163 基板の交換

1. 「1. RE-162 基板の交換」の手順1～12を行う。
2. RE-163基板上のコネクタ16個 (CN207～CN222) を外す。
3. ハーネス（インレット付き）を配線止めから外す。

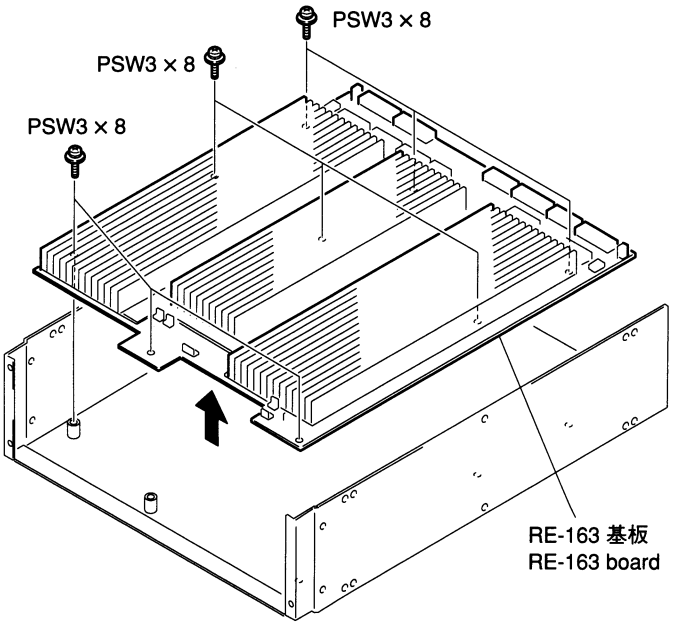
2. RE-163 Board Replacement

1. Perform the steps 1 through 12 with referring to "1. RE-162 Board Replacement" in this section.
2. Disconnect the sixteen connectors (CN207 through CN222) on the RE-163 board.
3. Remove the harnesses with AC inlets from the harness clampers.



4. ネジ9本を外し，RE-163基板を取り外す。
5. 手順1～4の逆の手順でRE-163基板を取り付ける。

4. Remove the nine screws, and then remove the RE-163 board.
5. Install the new RE-163 board in the reverse order of the steps 1 through 4.



1-3-2. ファンの交換

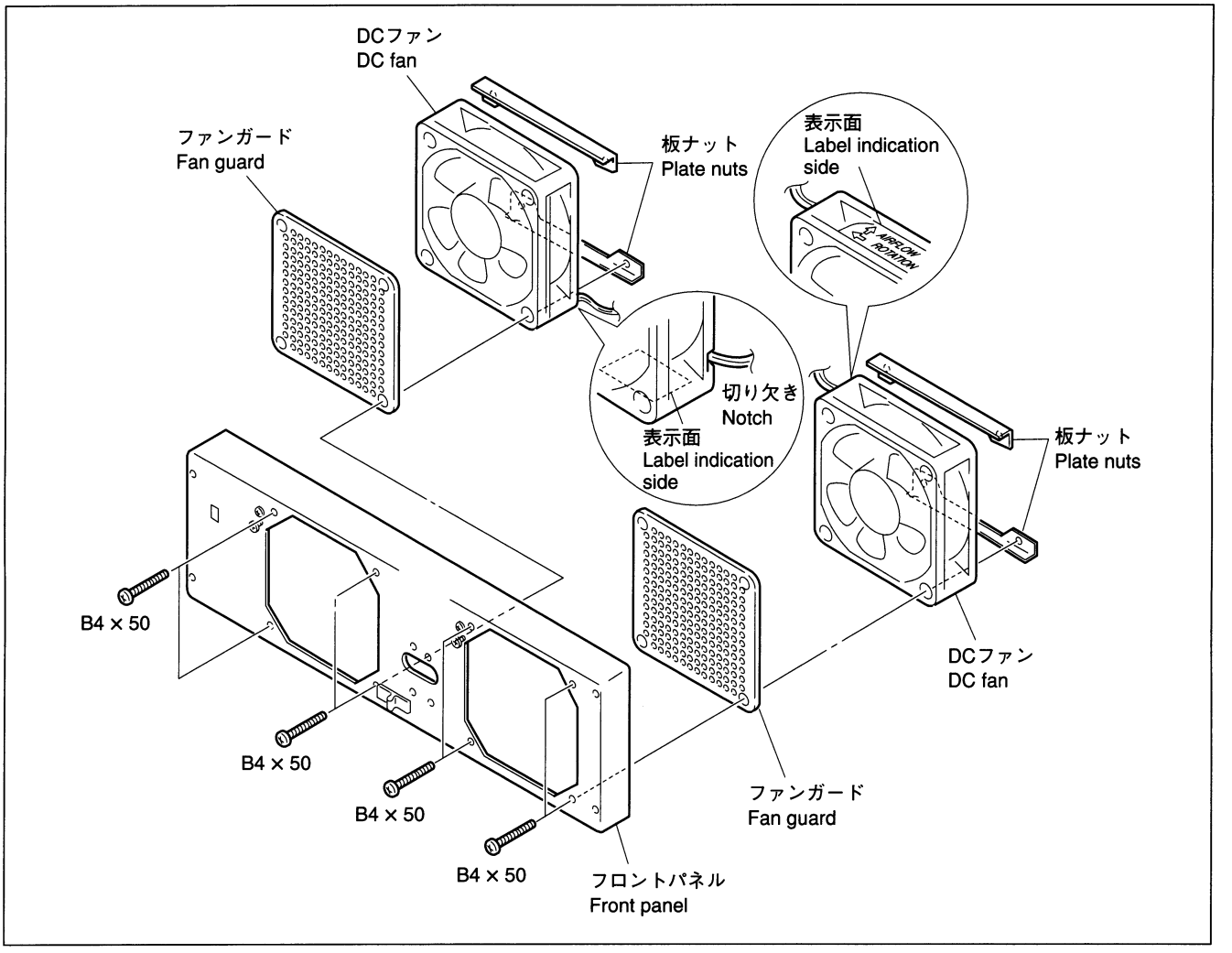
1. フロント側ファンの交換

1. フロントパネルを取り外す。(「1-3-1. 基板の交換」の「1. RE-162 基板の交換」の手順1～7 参照)
2. ネジ4本を外し,ファンをフロントパネルから取り外す。

1-3-2. Replacement of Fan

1. Replacement of Fan on the Front Side

1. Remove the front panel. (Refer to the steps 1 through 7 of "1. RE-162 Board Replacement" in "1-3-1. Replacement of Boards".
2. Remove the four screws, and remove the fan from the front panel.



3. 手順1～2の逆の手順でファンを取り付ける。

注意

ファンを取り付けるときは,送風方向に注意して取り付けてください。

3. Install the new fan in the reverse order of the steps 1 and 2.

Note

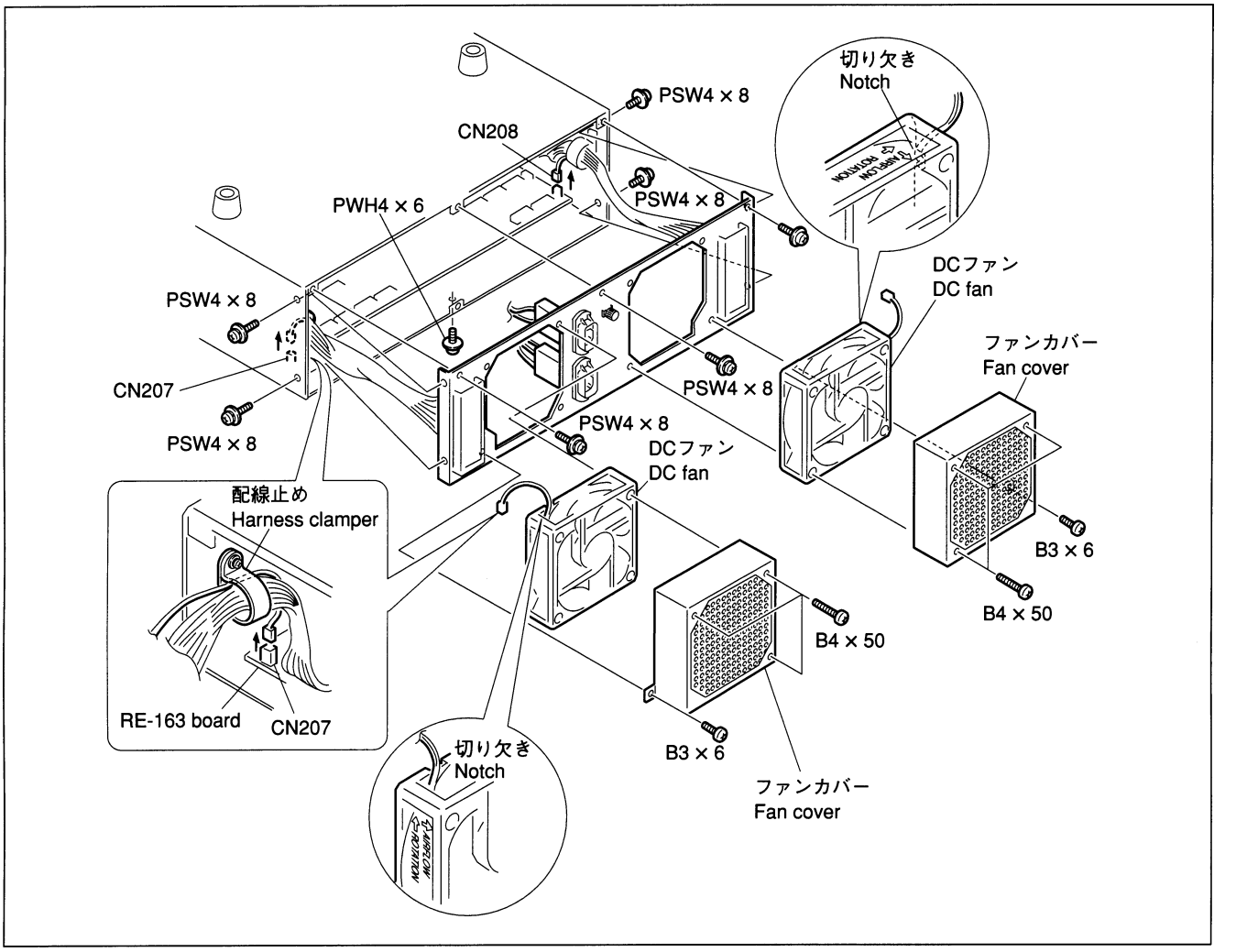
When installing the fan, take care the direction of airflow.

2. リア側ファンの交換

1. セットを上下逆にする。
2. ネジ9本を外し，リアパネルを外す。
3. RE-163基板上のコネクタ2個 (CN207，CN208) を外し，配線止めから抜きとる。

2. Replacement of Fan on the Rear Side

1. Turn the unit upside down.
2. Remove the nine screws, and the rear panel.
3. Disconnect the two connectors (CN207 and CN208) on the RE-163 board, and then remove them from the harness clamper.



4. ネジ4本を外し，ファンをリアパネルから取り外す。
5. 手順1～4の逆の手順でファンを取り付ける。

4. Remove the four screws, and remove the fan from the rear panel.
5. Install the new fan in the reverse order of the steps 1 through 4.

注意

ファンを取り付けるときは,ファンのハーネスを配線止めに通してからコネクタを差し込んでください。
ファンを取り付けるときは,送風方向に注意して取り付けてください。

Note

When installing the fan, put the harness of the fan into the harness clamper, then connect the connectors.
When installing the fan, take care the direction of airflow.

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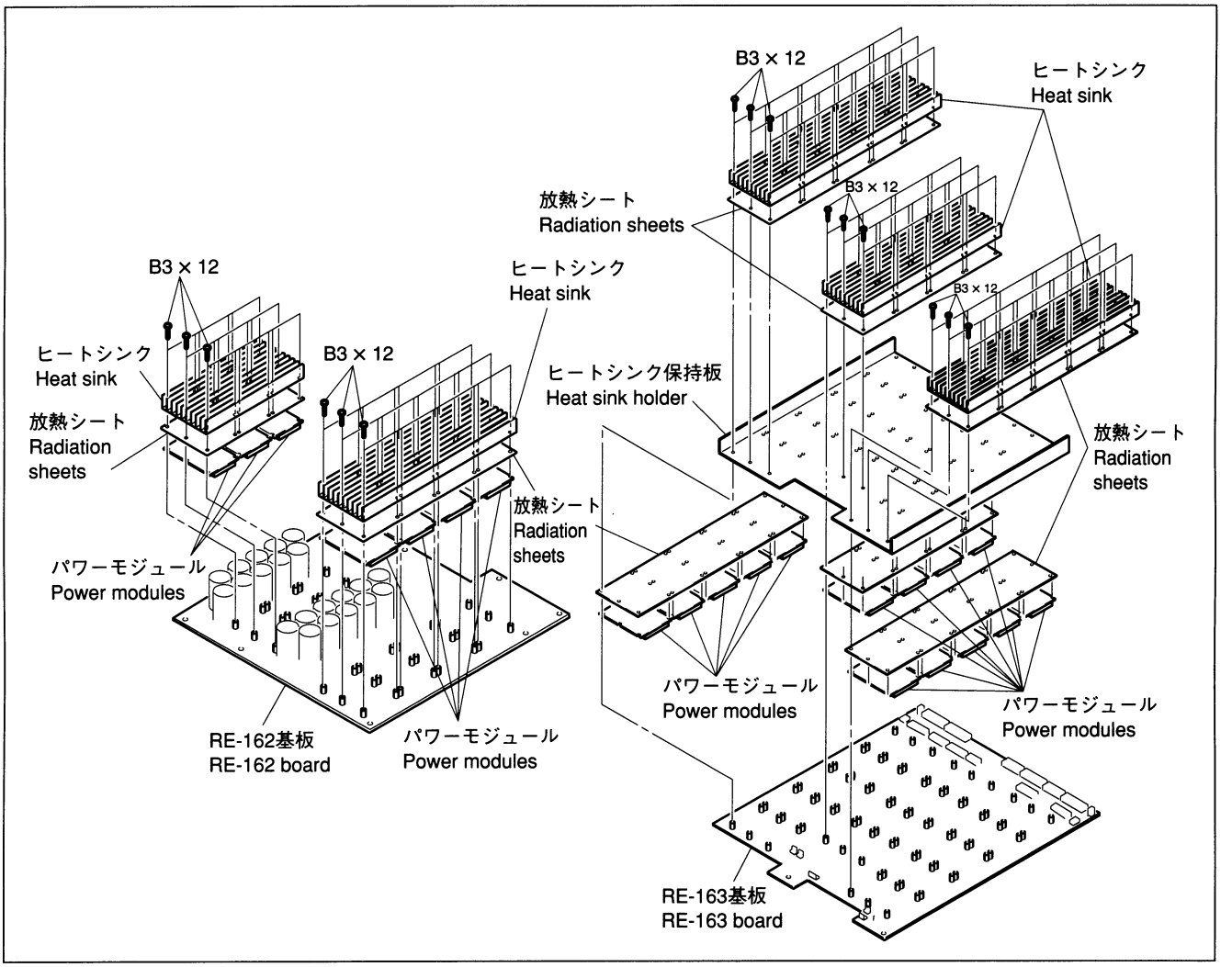
1-3-3. パワーモジュールの交換

1. RE-162 基板または RE-163 基板を電源ユニットから取り外す。(「1-3-1. 基板の交換」参照)
2. ヒートシンクと放熱シート, ヒートシンク保持板を, RE-162 基板または RE-163 基板に固定しているネジを外す。
   RE-162 基板の場合 (小) : ネジ 18 本
   RE-162 基板の場合 (大) : ネジ 24 本
   RE-163 基板の場合 : ネジ 84 本
3. 交換するパワーモジュールのはんだ付けを外し, 新しいパワーモジュールに交換する。
4. ヒートシンクと放熱シート, ヒートシンク保持板 (RE-163 基板のみ) を, RE-162 基板または RE-163 基板にネジで取り付ける。
   RE-162 基板の場合 (小) : ネジ 18 本
   RE-162 基板の場合 (大) : ネジ 24 本
   RE-163 基板の場合 : ネジ 84 本
5. 新しいパワーモジュールをはんだ付けする。

1-3-3. Replacement of Power Modules

1. Remove the RE-162 or RE-163 board from the power supply unit. (Refer to "1-3-1. Replacement of Boards" in this section.)
2. Remove the screws securing the heat sink, radiation sheet and heat sink holder to the RE-162 or RE-163 board.
   For RE-162 board (small one) : eighteen screws
   For RE-162 board (large one) : twenty-four screws
   For RE-163 board : eighty-four screws
3. Desolder the power module to replace, and then replace it with a new one.
4. Secure the heat sink, radiation sheet and heat sink holder (only for RE-163 board) to the RE-162 or RE-163 board by the screws.
   For RE-162 board (small one) : eighteen screws
   For RE-162 board (large one) : twenty-four screws
   For RE-163 board : eighty-four screws
5. Solder a new power module.



6. 手順 1～3 の逆の手順で組み立てる。

6. Assemble the parts in the reverse order of the steps 1 through 3.

1-3-4. ヒューズの交換

⚠警告

RE-162 基板および RE-163 基板にはヒューズが搭載されています。機器に異常が生じて，過大電流が流れたときに溶断します。
交換するヒューズは，下記に示す指定部品を使用してください。また，ヒューズの交換は，本機内部の原因を取り除いてから行ってください。

交換部品

RE-162 基板

PS101～PS107
⚠ ヒューズ 10 A，250 V
ソニー部品番号 ：1-533-714-11

RE-163 基板

F201～F214
⚠ ヒューズ 3 A，250 V
ソニー部品番号 ：1-533-708-11
F215 ⚠ ヒューズ 5 A，60 V
ソニー部品番号 ：1-533-275-21

1-3-4. Replacement of Fuses

WARNING

Total seven fuses are mounted on the RE-162 and RE-163 boards. If a trouble occurs on the unit by flowing the overcurrent, any fuse will blow. The fuses should be replaced with the following parts after removing foreign matter.

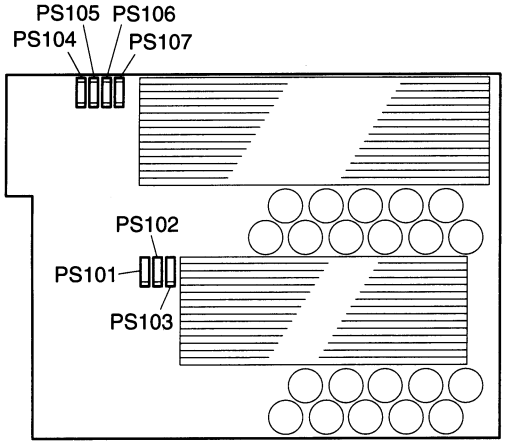
Replacement Parts

RE-162 board

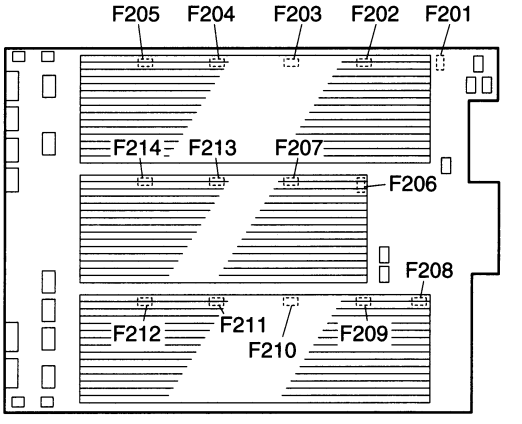
PS101 through PS107
⚠ FUSE 10 A, 250 V
Sony part number : 1-533-714-11

RE-163 board

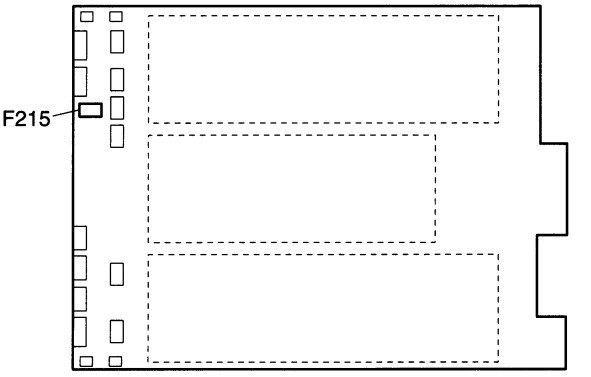
F201 through F214
⚠ FUSE 3 A, 250 V
Sony part number : 1-533-708-11
F215 ⚠ FUSE 5 A, 60 V
Sony part number : 1-533-275-21



RE-162 board (A side)



RE-163 board (A side)



RE-163 board (B side)

1-4. BKDS-70xx 電源部の交換 (Control Panel)

1-4-1. 電源ユニットの取り外し

⚠警告

電源ユニットの取り外しは，電源を切った後，5分以上経過するのを待ってから行ってください。
電源を切った後すぐに電源ユニットの取り外しを行うと，感電する恐れがあります。

1. パネルを開く。(Maintenance Manual Part1 1-2-1項 参照)
2. 内部の電源スイッチをOFFする。(Maintenance Manual Part1 1-2-2 項 参照)
3. 電源ユニットを固定しているネジ2本を外す。
4. 電源ユニット両側のレバーを矢印方向に倒す。
5. 電源ユニットを矢印方向に持ち上げて取り外す。

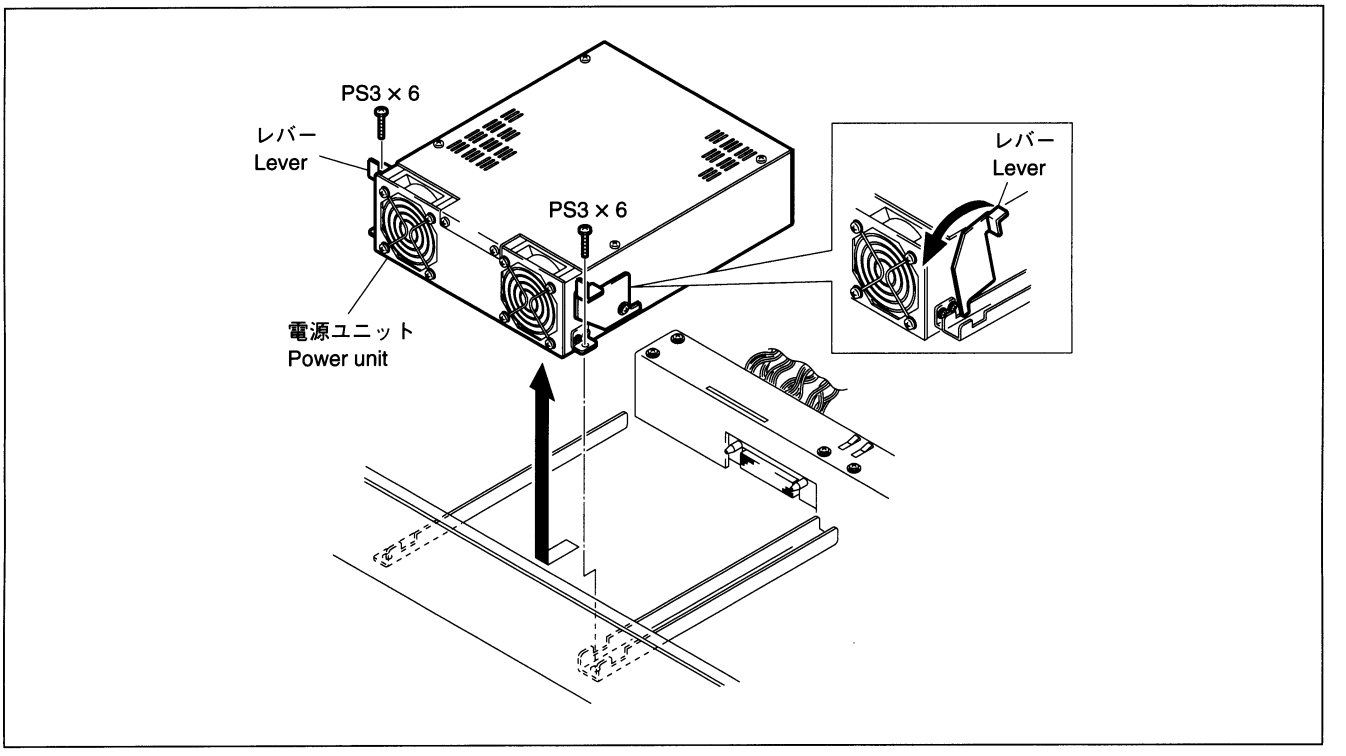
1-4. BKDS-70xx (Control Panel) Power Supply Block Replacement

1-4-1. Removal of Power Unit

WARNING

Allow for more than five minutes interval after turning the power off, remove the power unit.
To avoid shock hazards, never remove the power unit just after turning the power off.

1. Open the panel. (Refer to the section 1-2-1 in the maintenance manual part 1.)
2. Turn off the power switch in the control panel. (Refer to the section 1-2-2 in the maintenance manual part 1.)
3. Remove the two screws securing the power unit.
4. Tilt the levers at both sides of the power unit in the direction of the arrow.
5. Lift up the power unit in the direction of the arrow and remove it.



6. 手順1～5の逆の手順で電源ユニットを取り付ける。

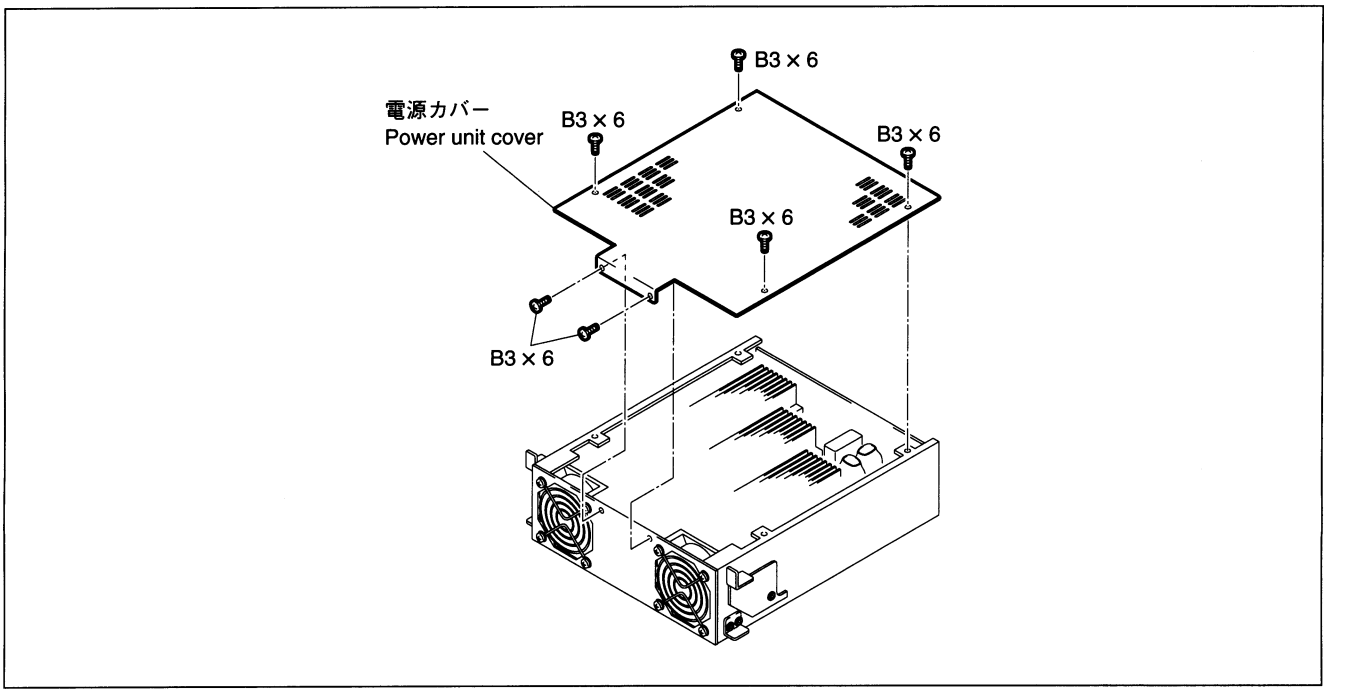
6. Install the power unit in the reverse order of the steps 1 through 5.

1-4-2. ファンの交換

1. パネルを開く。(Maintenance Manual Part1 1-2-1項 参照)
2. 内部の電源スイッチを OFF する。
3. 電源ユニットを取り外す。(「1-4-1. 電源ユニットの取り外し」参照)
4. ネジ6本を外し，電源カバーを取り外す。

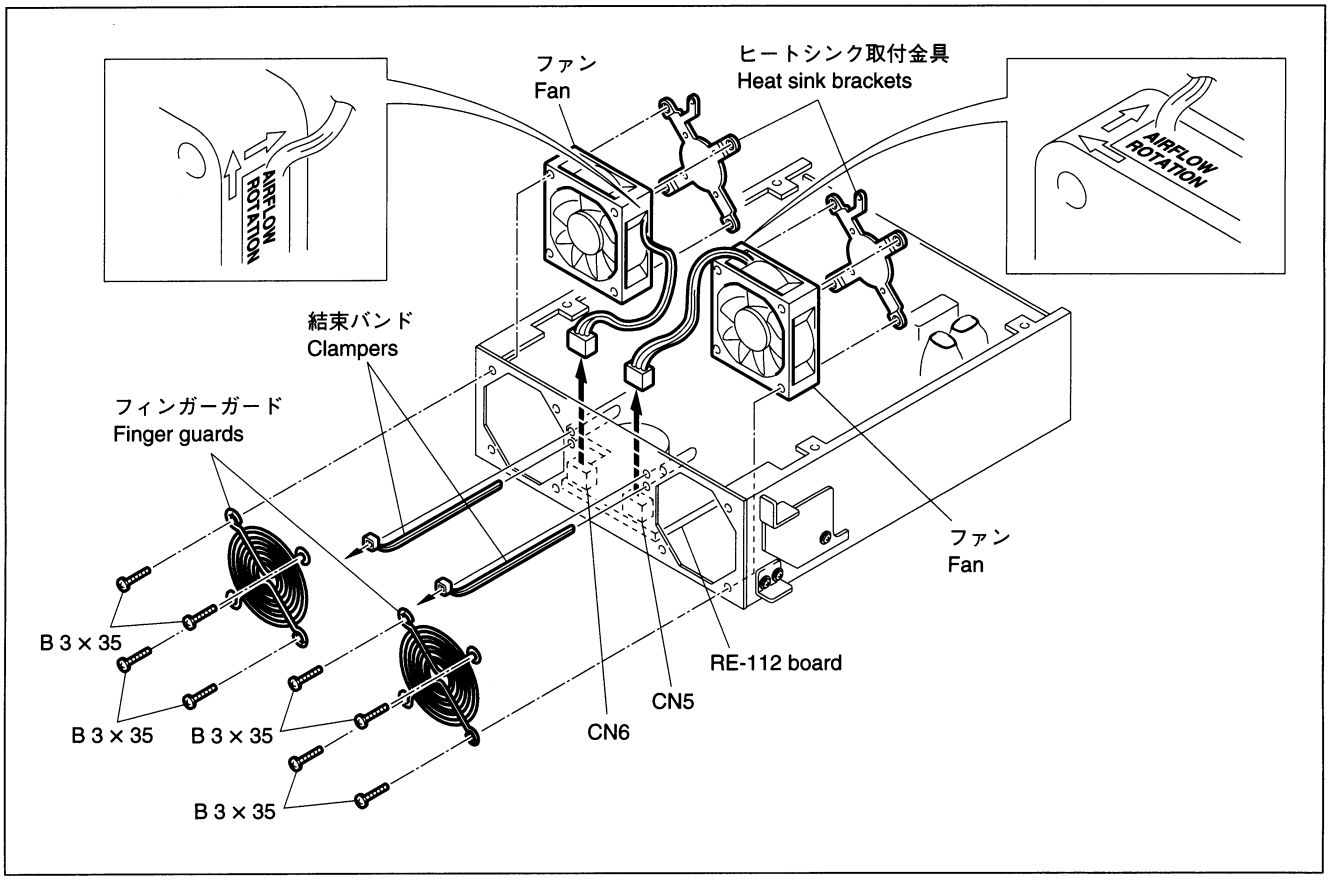
1-4-2. Replacement of Fans

1. Open the panel. (Refer to the section 1-2-1 in the maintenance manual part 1.)
2. Turn off the power switch in the control panel.
3. Remove the power unit. (Refer to "1-4-1. Removal of Power Unit" in this section.)
4. Remove the six screws and the power unit cover.



5. 交換するファンを固定しているネジ4本を外す。
6. RE-112基板上のコネクタ1個 (右側:CN5，左側:CN6) を外し，ファンを取り外す。

5. Remove the four screws securing the fan to replace.
6. Disconnect the one connector (Right side: CN5 or Left side: CN6) on the RE-112 board, and then remove the fan.



7. 手順1～6の逆の手順でファンを取り付ける。

注意

1. ファンを取り付けるときは，送風方向に注意して取り付けてください。
2. ファンを取り付けるときは，ファンのハーネスを結束バンドで固定してください。ハーネスをたるませておくと，ファンの回転時に引っかかる原因となります。

7. Install a new fan in the reverse order of the steps 1 through 6.

Notes

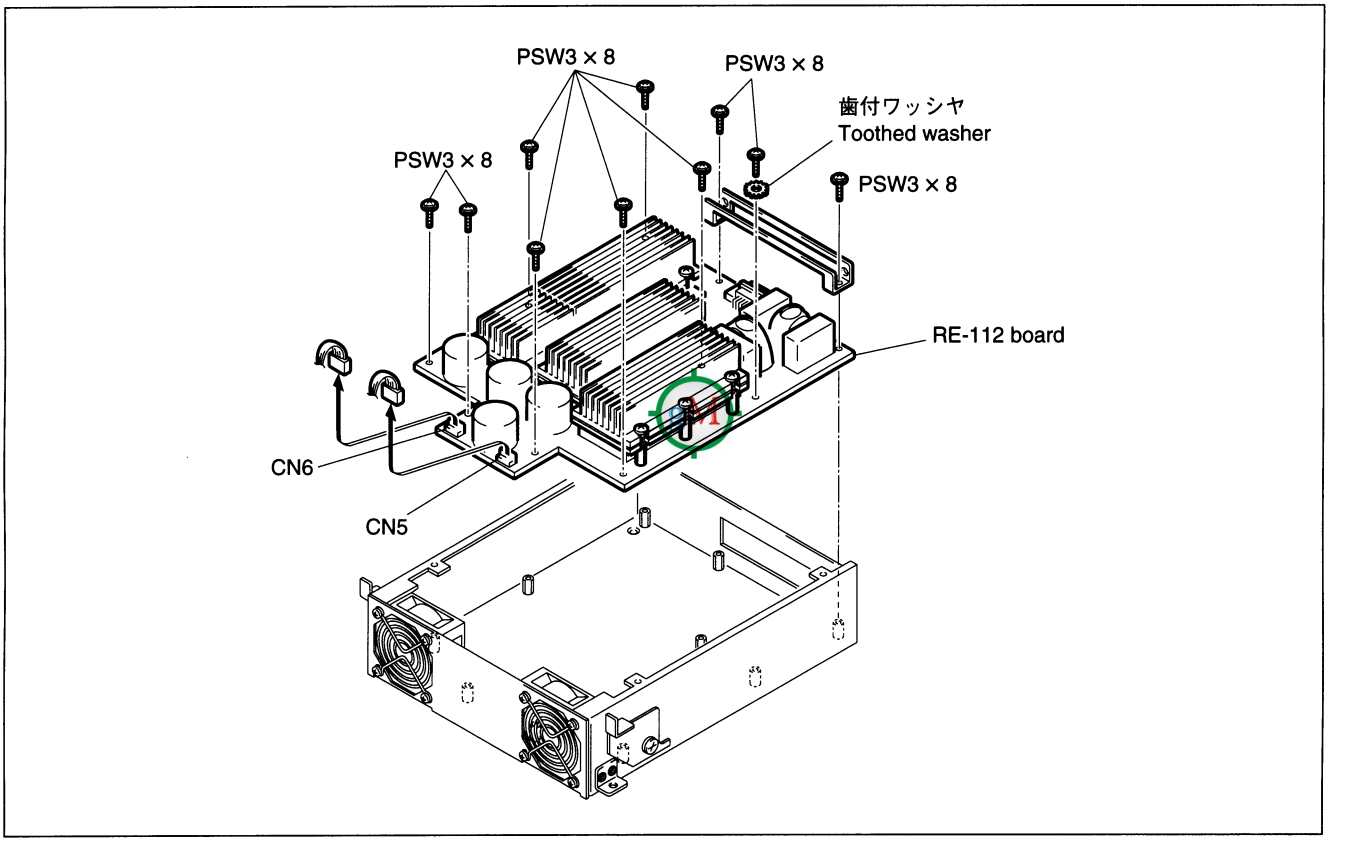
1. When installing the fan, take care the direction of airflow.
2. When installing the fan, secure the harness to the clamper. If loosening the harness, the harness causes that be caught in the fan when turning the fan.

1-4-3. パワーモジュールの交換

1. パネルを開く。(Maintenance Manual Part1 1-2-1項 参照)
2. 内部の電源スイッチを OFF する。
3. 電源ユニットを取り外す。(「1-4-1. 電源ユニットの取り外し」参照)
4. 電源カバーを取り外す。(「1-4-2. ファンの交換」手順 4 参照)
5. RE-112 基板上のコネクタ 2 個 (CN5, CN6) を外す。
6. ネジ 10 本を外し，RE-112 基板を取り外す。

1-4-3. Replacement of Power Modules

1. Open the panel. (Refer to the section 1-2-1 in the maintenance manual part 1.)
2. Turn off the power switch in the control panel.
3. Remove the power unit. (Refer to "1-4-1. Removal of Power Unit" in this section.)
4. Remove the power unit cover. (Refer to the step 4 of "1-4-2. Replacement of Fans" in this section.)
5. Disconnect the two connectors (CN5 and CN6) on the RE-112 board.
6. Remove the ten screws and the RE-112 board.



⚠注意

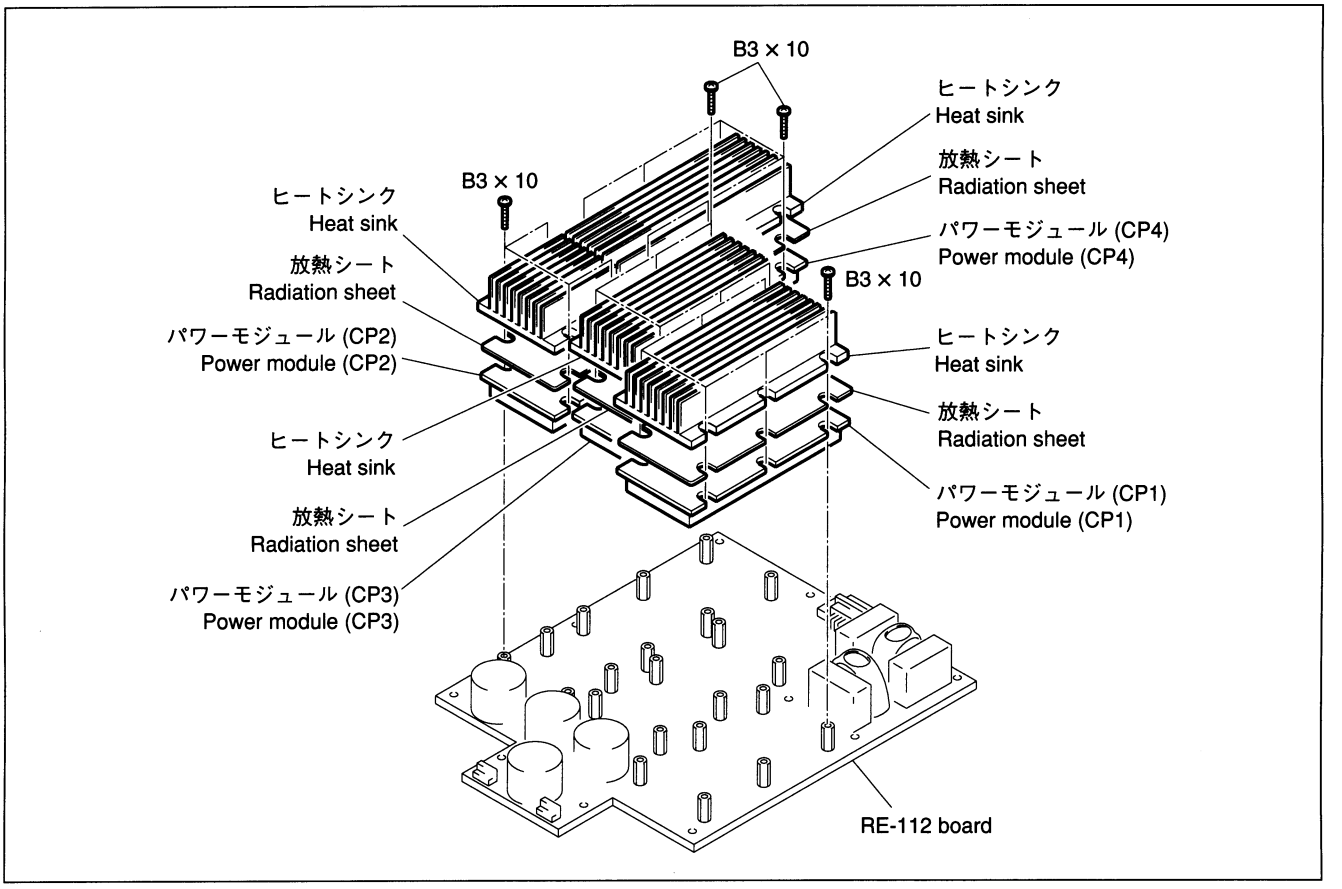
1. RE-112基板の取り付け時に,歯付きワッシャを必ず取り付けてください。
2. RE-112基板の交換時に,歯付きワッシャを紛失しないよう注意してください。

CAUTION

1. When installing the RE-112 board, be sure to install the one toothed washer with the one screw to secure it.
2. When replacing the RE-112 board, take care not to lose the one toothed washer.

7. 各ヒートシンクと放熱シートを RE-112 基板に固定しているネジを外す。
   CP1, 3, 4 の場合 ： ネジ各 6 本
   CP2 の場合 ： ネジ 4 本
8. 交換するパワーモジュールのはんだ付けを外し, 新しいパワーモジュールに交換する。
9. ヒートシンクと放熱シートを, 手順 7 で外したネジで RE-112 基板に取り付ける。
10. 新しいパワーモジュールをはんだ付けする。

7. Remove the screws securing each heat sink and radiation sheet to the RE-112 board.
   For CP1, 3 or 4 : six screws
   For CP2 : four screws
8. Desolder the power module to replace, and then replace it with a new one.
9. Secure the heat sink and radiation sheet to the RE-112 board by the screws removed in the step 7.
10. Solder a new power module.



11. 手順 1～6 の逆の手順で組み立てる。

11. Assemble the parts in the reverse order of the steps 1 through 6.

1-4-4. ヒューズの交換

⚠警告

RE-112基板にはヒューズが搭載されています。機器に異常が生じて，過大電流が流れたときに溶断します。交換するヒューズは，下記に示す指定部品を使用してください。また，ヒューズの交換は，本機内部の原因を取り除いてから行ってください。

交換部品

RE-112 基板

F1 ⚠ヒューズ 6.3 A, 250 V
　　ソニー部品番号： 1-576-233-41
F2 ⚠ヒューズ 3 A, 250 V
　　ソニー部品番号： 1-533-708-11
F3 ⚠ヒューズ 3 A, 250 V
　　ソニー部品番号： 1-533-708-11
F4 ⚠ヒューズ 3 A, 250 V
　　ソニー部品番号： 1-533-708-11

1-4-4. Replacement of Fuses

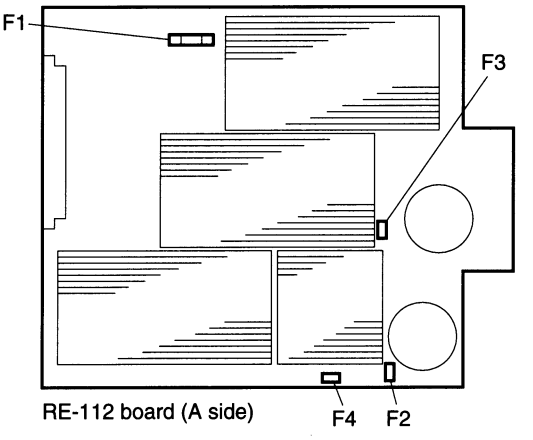
WARNING

The four fuses are mounted on the RE-112 board. If a trouble occurs on the unit by flowing the overcurrent, any fuse will blow. The fuses should be replaced with the following parts after removing foreign matter.

Replacement Parts

RE-112 board

F1 ⚠FUSE 6.3 A, 250 V
　　Sony part number： 1-576-233-41
F2 ⚠FUSE 3 A, 250 V
　　Sony part number： 1-533-708-11
F3 ⚠FUSE 3 A, 250 V
　　Sony part number： 1-533-708-11
F4 ⚠FUSE 3 A, 250 V
　　Sony part number： 1-533-708-11



Section 2
Semiconductor Pin Assignments

ここに記載されている半導体は，それぞれの機能を等価的に表したものです。　なお，互換性のない型名を併記していることがありますので，部品を交換するときは，Spare Partsの章を参照してください。
等価回路はICメーカーのデータブックに従いました。

Semiconductors of which functions are equivalent are described here. For parts replacement, refer to the section of Spare Parts in this manual. The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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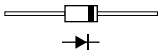
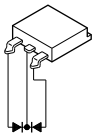
http://getMANUAL.com

DIODE

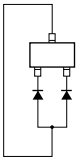


11E2FA-9



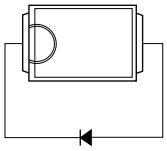
DF30PC3M-4102
(SHINDENGEN)

—TOP VIEW—



1S2835-T1
1S2836

—TOP VIEW—



MBRS130LT3

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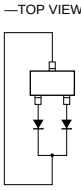
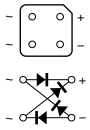


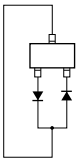
1SS184
1SS184-TE85L
RB425D
RB425D-T146

—BOTTOM VIEW—



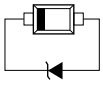
S20WB60

—TOP VIEW—



1SS123-T1
1SS226
DA204U
DA204UT106

—TOP VIEW—



UDZ-TE-17-2.7B

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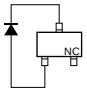
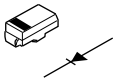
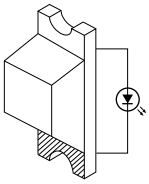


BAS16-215

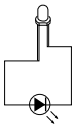


D1FS4A-TA

LED



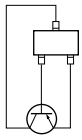
AY1101W-88
; YELLOW
AY1101W-88-TR
PG1102W
; GREEN
PG1102W-TR
VR1101W-TR
; RED



TLG124A ; GREEN

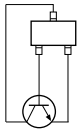
TRANSISTOR

—TOP VIEW—



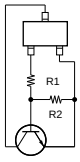
2SA1577-QR
2SA1577-T106-QR

—TOP VIEW—

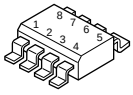


2SC1623
2SC1623-T1L7

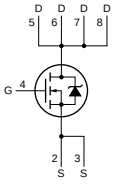
—TOP VIEW—



DTC123YUA-T106



SI9410DY
SI9410DY-T1



OTHERS

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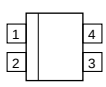
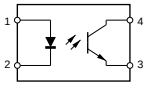
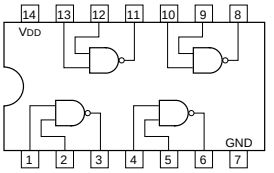


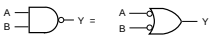
TLP624(BV)
TLP721(D4)-GR
TLP721(D4-)



74LCX00MTCX (NS)
TC74AC00FT(EL) (TOSHIBA)FLAT PACKAGE
TC74ACT00FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS QUAD 2-INPUT NAND GATES
—TOP VIEW—





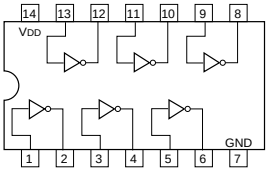
$Y = \overline{A \cdot B} = \overline{A} + \overline{B}$

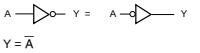
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

74LCX04MTCX (NS)FLAT PACKAGE
TC74AC04FT(EL) (TOSHIBA)FLAT PACKAGE
TC74ACT04FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS HEX INVERTERS
—TOP VIEW—





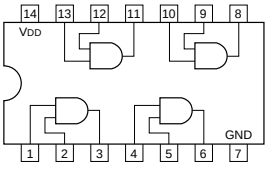
$Y = \overline{A}$

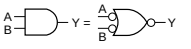
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

74LCX08MTCX (NS)
TC74ACT08FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS QUAD 2-INPUT AND GATES
—TOP VIEW—





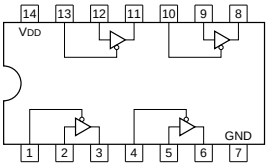
$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

74LCX125SJX (NS)FLAT PACKAGE

C-MOS BUS BUFFER GATES WITH 3-STATE OUTPUT
—TOP VIEW—

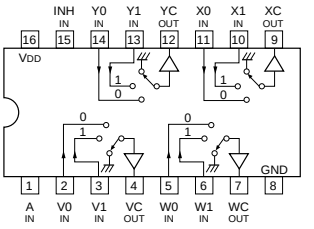


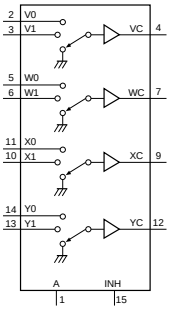
G	A	Y
0	0	0
0	1	1
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

74LCX157MTCX (NS)FLAT PACKAGE

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
—TOP VIEW—



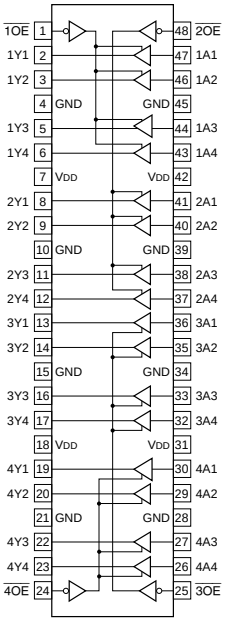


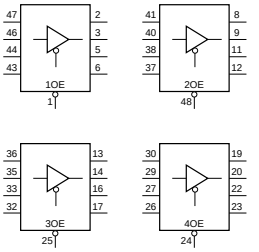
CONT. IN		ON
INH	A	CHANNEL
0	0	0
0	1	1
1	×	GND

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

74LCX16244MTDX (NS)

C-MOS 16-BIT BUFFER/DRIVER
—TOP VIEW—



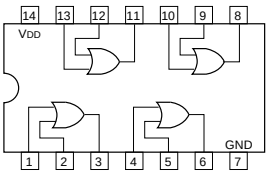


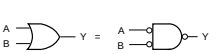
INPUTS		OUTPUTS
$x\overline{OE}$	xAx	xYx
0	0	0
0	1	1
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

74LCX32MTCX (NS)FLAT PACKAGE
TC74ACT32FT(EL) (TOSHIBA)FLAT PACKAGE
TC74VHC32FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS QUAD 2-INPUT OR GATES
—TOP VIEW—





$Y = A + B = \overline{\overline{A} \cdot \overline{B}}$

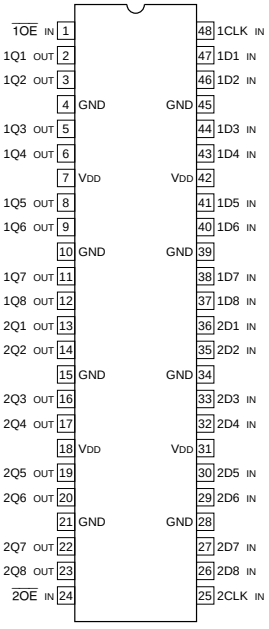
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

74LCX16374MTDX (NS)FLAT PACKAGE

C-MOS 3-STATE 16-BIT D-TYPE FLIP-FLOP

—TOP VIEW—



INPUT

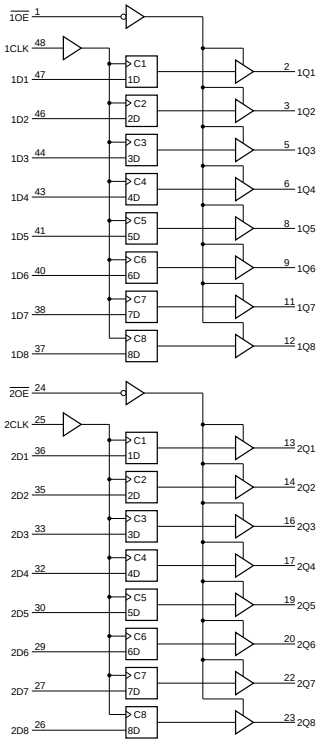
1CLK, 2CLK : CLOCK
1D1 - 1D8, 2D1 - 2D8 : DATA
1OE, 2OE : OUTPUT ENABLE

OUTPUT

1Q1 - 1Q8, 2Q1 - 2Q8 : DATA

INPUTS			OUTPUT
$\overline{OE}$	CLK	D	Q
0	↑	1	1
0	↑	0	0
0	0	×	Qo
1	×	×	HI-Z

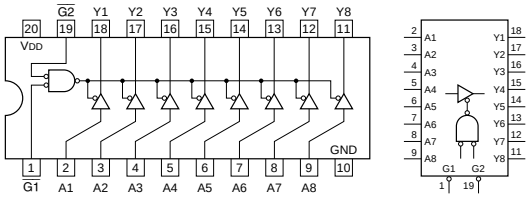
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

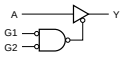


74LCX541MTCX (NS)
SN74ABT541BPW-E05 (TI)FLAT PACKAGE
TC74AC541F-EL
TC74ACT541FT(EL) (TOSHIBA)FLAT PACKAGE
TC74VHC541FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS

—TOP VIEW—





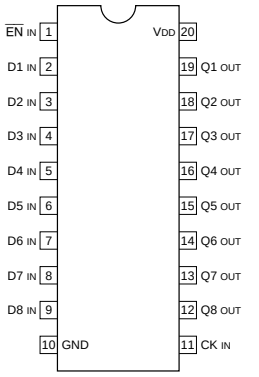
G1	G2	A	Y
0	0	0	0
0	0	1	1
1	×	×	HI-Z
×	1	×	HI-Z

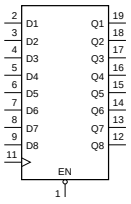
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

74LCX574MTCX (NS)FLAT PACKAGE
IDT74FCT574DTPY-TL (IDT)FLAT PACKAGE
TC74ACT574FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP

—TOP VIEW—

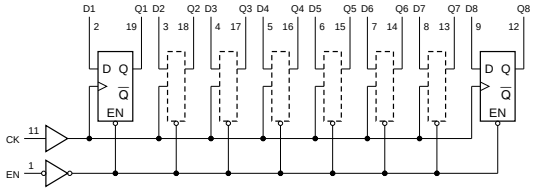




EACH FLIP-FLOP

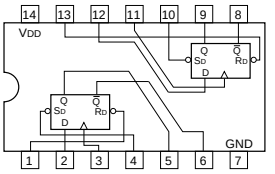
INPUTS			OUT
EN	CK	D	Q
0	↑	1	1
0	↑	0	0
0	↓	×	Q0
1	×	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE
Q0 : NONSTABLE



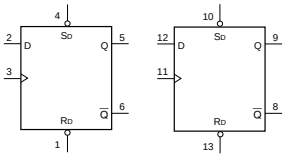
74LCX74MTCX (NS)FLAT PACKAGE
TC74AC74FT(EL) (TOSHIBA)FLAT PACKAGE
TC74ACT74FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
—TOP VIEW—



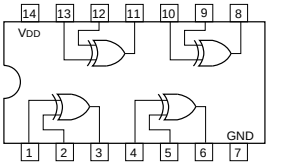
INPUTS				OUTPUTS	
$\overline{S_D}$	$\overline{R_D}$	CK	D	Qn+1	$\overline{Q_{n+1}}$
0	1	×	×	1	0
1	0	×	×	0	1
0	0	×	×	1	1
1	1	↓	1	1	0
1	1	↓	0	0	1
1	1	0	×	Qn	$\overline{Q_n}$

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE



74LCX86MTCX (NS)FLAT PACKAGE

C-MOS QUAD EXCLUSIVE OR GATES
—TOP VIEW—



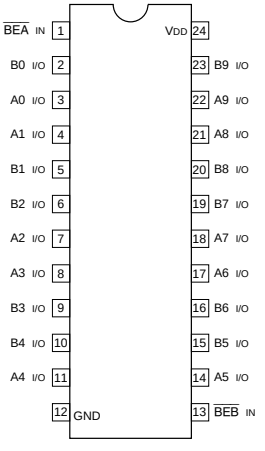
$Y = \overline{A} \cdot B + A \cdot \overline{B}$

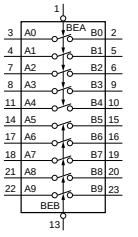
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

0 : LOW LEVEL
1 : HIGH LEVEL

74LVX3L384QSCX (NS)FLAT PACKAGE

C-MOS 10-BIT BUS SWITCHES
—TOP VIEW—





$\overline{BEA}$	A0 - A4 ↔ B0 - B4
0	CONNECT
1	DISCONNECT

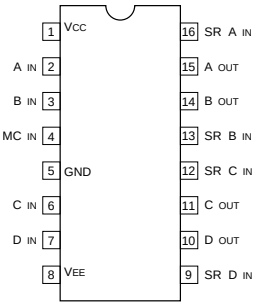
$\overline{BEB}$	A5 - A9 ↔ B5 - B9
0	CONNECT
1	DISCONNECT

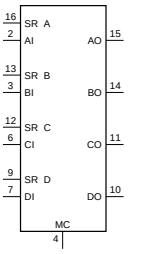
0 : LOW LEVEL
1 : HIGH LEVEL

A0 - A9 : BUS A INPUTS/OUTPUTS
B0 - B9 : BUS B INPUTS/OUTPUTS
$\overline{BEA}$, $\overline{BEB}$: BUS SWITCH ENABLE INPUTS

AM26LS30PC (ADVANCED MICRO DEVICES)

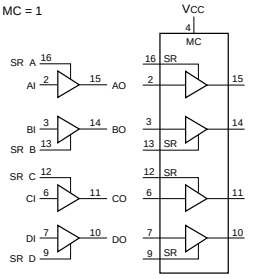
LINE DRIVER
—TOP VIEW—



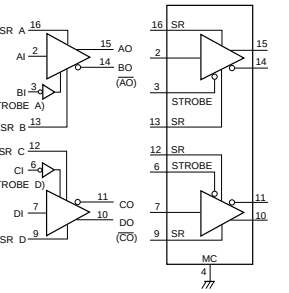


MC ; MODE CONTROL
SR ; SLEW RATE CONTROL

MC = 1



MC = 0



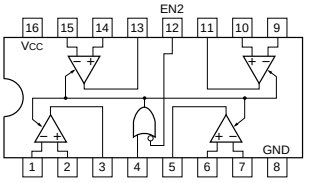
INPUTS		OUTPUTS
MC	A TO D	A TO D
1	0	0
1	1	1

INPUTS			OUTPUTS	
MC	STROBE	A & D	A & D	B & C
0	0	0	0	1
0	0	1	1	0
0	1	×	HI-Z	HI-Z

0 ; LOW LEVEL × ; DON'T CARE
1 ; HIGH LEVEL HI-Z ; HIGH IMPEDANCE

AM26LS32ACN (TI)

HIGH SPEED DIFFERENTIAL LINE RECEIVER
—TOP VIEW—



FUNCTION TABLE

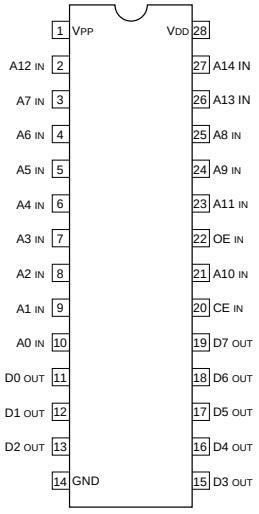
EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

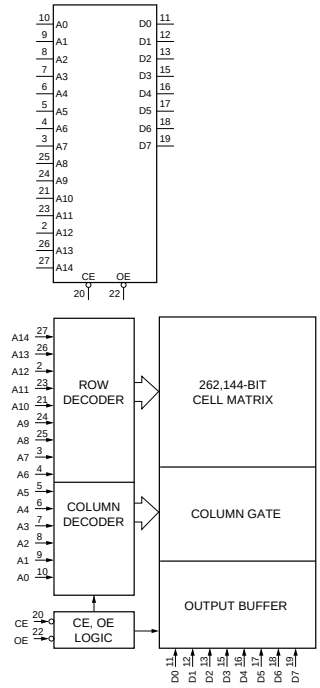
0 : LOW LEVEL
1 : HIGH LEVEL
HI-Z : HIGH IMPEDANCE

	SENSE	INPUT VOLT
C32/LS32	±200mV	±7 V
LS33	±500mV	±15 V

AM27C256-150DC (AMD)

C-MOS 256 K (32 K × 8)-BIT UV ERASABLE PROM WITH 3-STATE OUTPUTS
—TOP VIEW—





A0 - A14 : ADDRESS INPUTS
$\overline{CE}$: CHIP ENABLE INPUT
D0 - D7 : DATA OUTPUTS
$\overline{OE}$: OUTPUT ENABLE INPUT
VPP : PROGRAM POWER SUPPLY

An	CE	OE	VDD	VPP	Dn	FUNCTION
An	0	0	+5 V	+5 V	D OUT	READ
An	0	1	+5 V	+5 V	HI-Z	OUTPUT DISABLE
×	1	×	+5 V	+5 V	HI-Z	STANDBY
An	0	1	+6 V	+12.5 V	D IN	PGM
An	1	0	+6 V	+12.5 V	D OUT	PGM VERIFY (1)
An	0	0	+6 V	+12.5 V	D OUT	PGM VERIFY (2)
×	1	1	+6 V	+12.5 V	HI-Z	PGM INH
AO	0	0	+5 V	+5 V	DEVICE CODE	ELECTRONIC SIGNATURE*

* SEE FOLLOWING DESCRIPTION

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

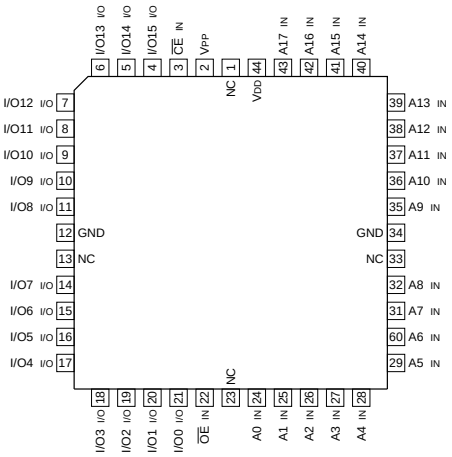
ELECTRONIC SIGNATURE FOR P ROM WRITER
ADDRESS SETTINGS IN READ MODE

A1 - A8	A9	A10 - A13	A14, Vpp
0	12 V	0	1

	AO	CODE DATA								
		D7	D6	D5	D4	D3	D2	D1	D0	
MAKER CODE	0	0	0	0	0	0	1	0	0	04H
DEVICE CODE	1	0	1	1	0	0	0	1	0	62H

AM27C4096-120JC (AMD)

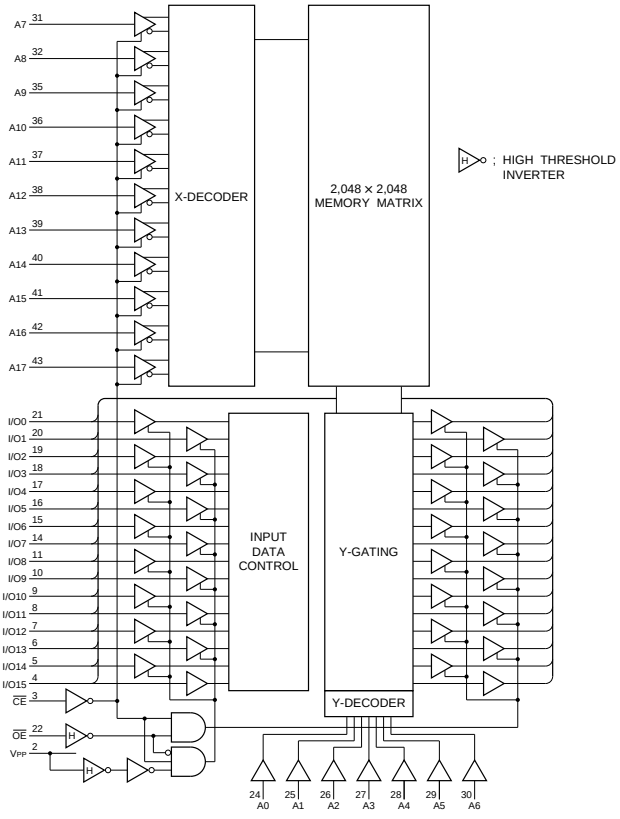
C-MOS 4 M (262,144 × 16)-BIT UV EPROM
—TOP VIEW—



INPUT
A0 - A17 : ADDRESS
$\overline{CE}$: CHIP ENABLE
$\overline{OE}$: OUTPUT ENABLE

INPUT/OUTPUT
I/O0 - I/O15 : DATA

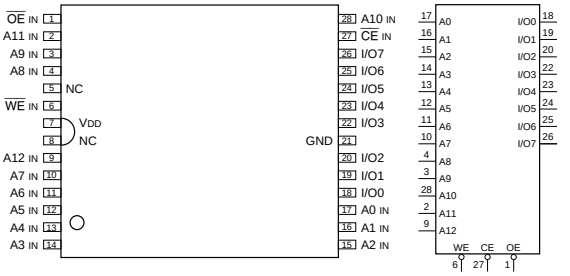
OTHER
VPP : PROGRAMMABLE POWER SUPPLY



AT28C64B-15TC (ATMEL)FLAT PACKAGE

C-MOS 64 K (8 K × 8)-BIT EEPROM

—TOP VIEW—

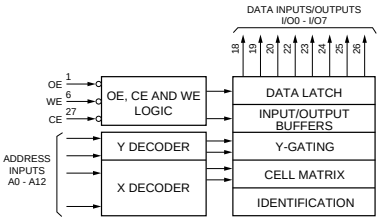


INPUT

A0 - A12 : ADDRESS
$\overline{CE}$: CHIP ENABLE
$\overline{OE}$: OUTPUT ENABLE
$\overline{WE}$: WRITE ENABLE

INPUT/OUTPUT

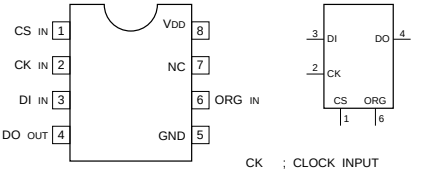
I/O0 - I/O7 : DATA



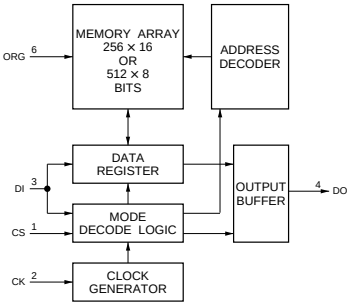
CAT93C66K-LE10 (CAT)FLAT PACKAGE

C-MOS 4 K-BIT SERIAL EEPROM

—TOP VIEW—



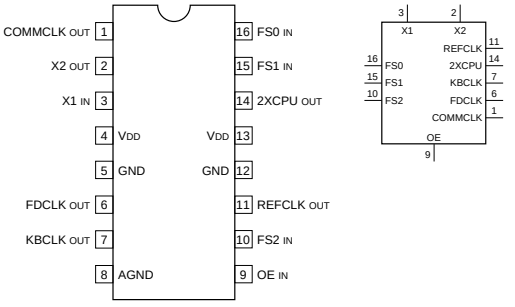
CK ; CLOCK INPUT
CS ; CHIP SELECT
DI ; SERIAL DATA INPUT
DO ; SERIAL DATA OUTPUT
ORG ; MEMORY ORGANIZATION (256 × 16/$\overline{512 \times 8}$)

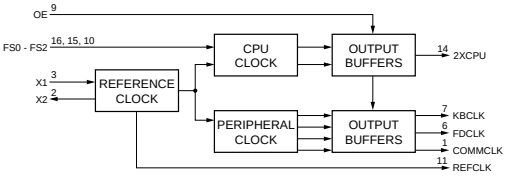


AV9154A-27CS16 (ISG)FLAT PACKAGE

C-MOS FREQUENCY GENERATOR

—TOP VIEW—





INPUT

FS0 - FS2 : FREQUENCY SELECT
OE : OUTPUT ENABLE
X1 : CRYSTAL

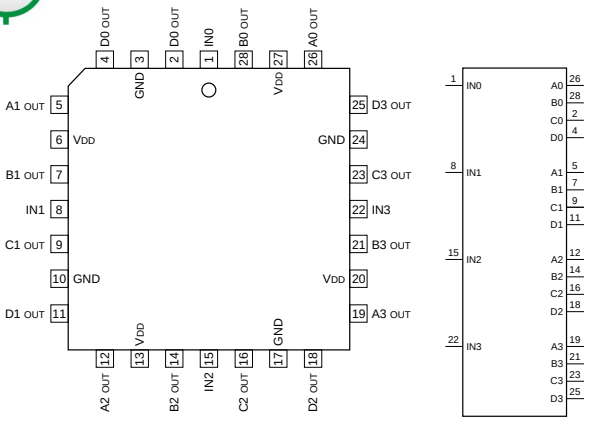
OUTPUT

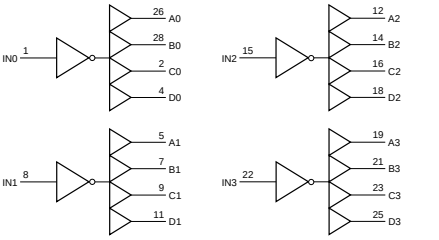
2XCPU : 2XCPU CLOCK
COMMCLK : 1.84 MHz COMMUNICATION CLOCK
FDCLK : 24 MHz FLOPPY DISK CLOCK
KBCLK : 12 MHz KEYBOARD CLOCK
REFCLK : 14.318 MHz REFERENCE CLOCK
X2 : CRYSTAL

CGS2534TVX (NS)

C-MOS QUAD 1-TO-4 CLOCK DRIVERS

—TOP VIEW—

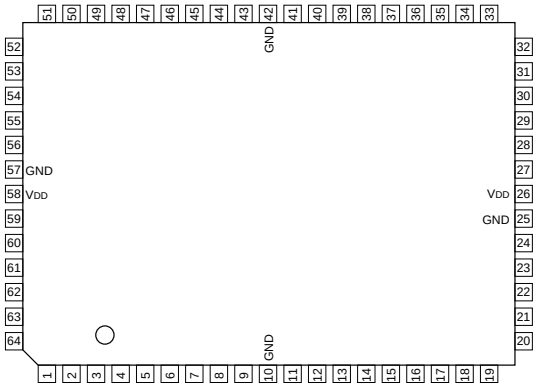


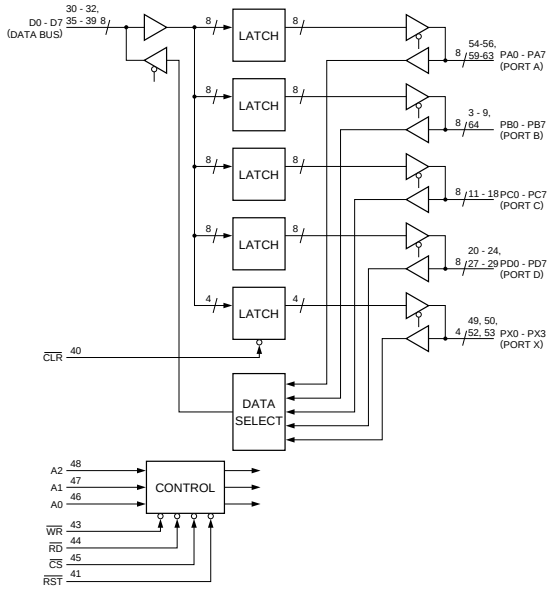


CXD1095BQ (SONY)

C-MOS I/O PORT EXPANDER

—TOP VIEW—





PIN No.	I / O	SIGNAL	PIN No.	I / O	SIGNAL	PIN No.	I / O	SIGNAL	PIN No.	I / O	SIGNAL
1	—	NC	17	I/O	PC6	33	—	NC	49	I/O	PX0
2	—	NC	18	I/O	PC7	34	—	NC	50	I/O	PX1
3	I/O	PB1	19	—	NC	35	I/O	D3	51	—	NC
4	I/O	PB2	20	I/O	PD0	36	I/O	D4	52	I/O	PX2
5	I/O	PB3	21	I/O	PD1	37	I/O	D5	53	I/O	PX3
6	I/O	PB4	22	I/O	PD2	38	I/O	D6	54	I/O	PA0
7	I/O	PB5	23	I/O	PD3	39	I/O	D7	55	I/O	PA1
8	I/O	PB6	24	I/O	PD4	40	I	$\overline{CLR}$	56	I/O	PA2
9	I/O	PB7	25	—	GND	41	I	$\overline{RST}$	57	—	GND
10	—	GND	26	—	VDD	42	—	GND	58	—	VDD
11	I/O	PC0	27	I/O	PD5	43	I	$\overline{WR}$	59	I/O	PA3
12	I/O	PC1	28	I/O	PD6	44	I	$\overline{RD}$	60	I/O	PA4
13	I/O	PC2	29	I/O	PD7	45	I	$\overline{CS}$	61	I/O	PA5
14	I/O	PC3	30	I/O	D0	46	I	A0	62	I/O	PA6
15	I/O	PC4	31	I/O	D1	47	I	A1	63	I/O	PA7
16	I/O	PC5	32	I/O	D2	48	I	A2	64	I/O	PB0

CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	———
0	0	1	1	1	0	———
0	0	1	1	1	1	———
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	———
0	1	0	1	1	0	DATA BUS → CTL REG. 1
0	1	0	1	1	1	DATA BUS → CTL REG. 2
1	×	×	×	×	×	DATA BUS ; HI-Z

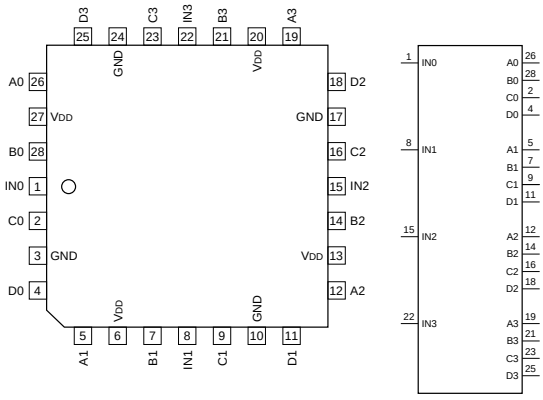
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

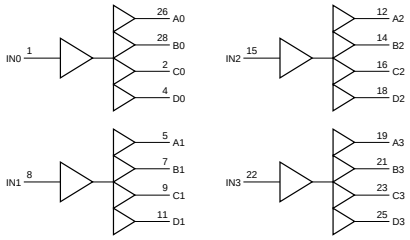
D0 - D7 ; DATA BUS INPUTS/OUTPUTS
$\overline{CS}$; CHIP SELECT INPUT
$\overline{RD}$; READ STROBE INPUT
$\overline{WR}$; WRITE STROBE INPUT
A0 - A2 ; ADDRESS INPUT
$\overline{RST}$; RESET INPUT
$\overline{CLR}$; CLEAR INPUT
PA0 - PA7 ; PORT A INPUTS/OUTPUTS
PB0 - PB7 ; PORT B INPUTS/OUTPUTS
PC0 - PC7 ; PORT C INPUTS/OUTPUTS
PD0 - PD7 ; PORT D INPUTS/OUTPUTS
PX0 - PX3 ; PORT X INPUTS/OUTPUTS

CGS2535TVX (NS)

C-MOS QUAD 1-TO-4 CLOCK DRIVERS

—TOP VIEW—

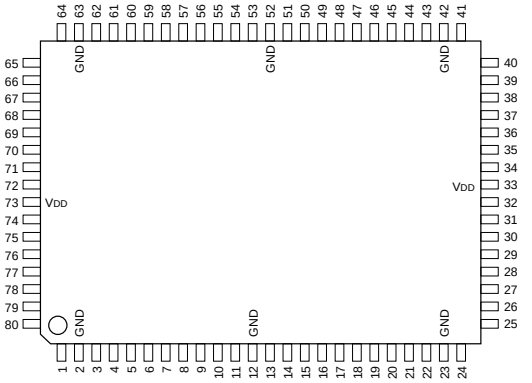




CXD8052Q (SONY)

C-MOS SERIAL CONTROLLER

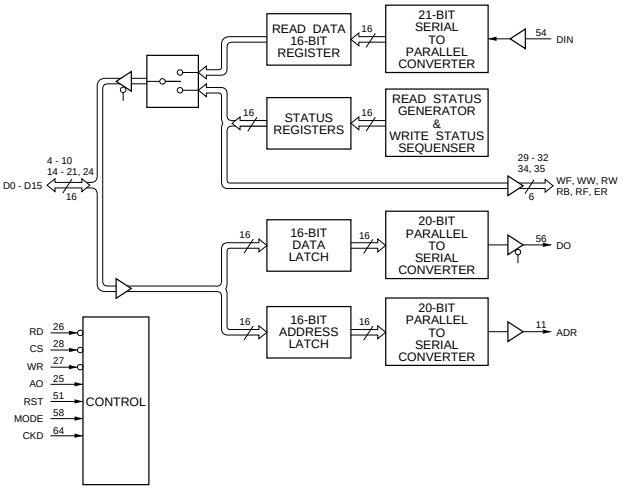
—TOP VIEW—



<CPU MODE>

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	NC	21	I/O	D14	41	—	NC	61	—	NC
2	—	GND	22	O	CKDO1	42	—	GND	62	—	NC
3	O	CKDO2	23	I	GND	43	—	NC	63	—	GND
4	I/O	D0	24	I/O	D15	44	—	NC	64	I	CKD
5	I/O	D1	25	I	AO	45	—	NC	65	—	NC
6	I/O	D2	26	I	RD	46	—	NC	66	—	NC
7	I/O	D3	27	I	WR	47	—	NC	67	—	NC
8	I/O	D4	28	I	CS	48	—	NC	68	—	NC
9	I/O	D5	29	O	WF	49	—	NC	69	—	NC
10	I/O	D6	30	O	WW	50	—	NC	70	—	NC
11	O	ADR	31	O	RW	51	I	RST	71	—	NC
12	—	GND	32	O	RB	52	—	GND	72	—	NC
13	—	NC	33	—	VDD	53	—	NC	73	—	VDD
14	I/O	D7	34	O	RF	54	I	DIN	74	—	NC
15	I/O	D8	35	O	ER	55	—	NC	75	—	NC
16	I/O	D9	36	—	NC	56	O	DO	76	—	NC
17	I/O	D10	37	—	NC	57	—	NC	77	—	NC
18	I/O	D11	38	—	NC	58	I	MODE	78	—	NC
19	I/O	D12	39	—	NC	59	—	NC	79	—	NC
20	I/O	D13	40	—	NC	60	—	NC	80	—	NC

<CPU MODE>



<CPU MODE>

INPUT

AO ; REGISTER SELECT
LOW : DATA REGISTER ACTIVE
HIGH : ADDRESS REGISTER ACTIVE
CKD ; SERIAL INTERFACE CLOCK
CS ; CHIP SELECT (LOW : ACTIVE)
DIN ; SERIAL DATA
MODE ; CPU/VIDEO BOARD MODE SELECT
LOW : CPU MODE
RD ; READ ENABLE (LOW : ACTIVE)
RST ; RESET PULSE
WR ; WRITE ENABLE (LOW : ACTIVE)

OUTPUT

ADR ; SERIAL ADDRESS
CKDO1,
CKDO2 ; SERIAL INTERFACE CLOCK
DO ; SERIAL DATA
ER ; READ ERROR (HIGH : ERROR)
RB ; READ BUSY (HIGH : BUSY)
RF ; READ BUFFER FULL OUT
HIGH : READ REGISTERS ARE FULL
LOW : READ REGISTERS ARE EMPTY
RW ; READ WINDOW
HIGH : READ DATA ARE RECEIVING AT DIN TERMINAL
WF HIGH : WRITE REGISTERS ARE FULL
LOW : WRITE REGISTERS ARE EMPTY
WW ; WRITE WINDOW
HIGH : SERIAL DATA OR ADDRESS ARE SENDING FROM D OUT
OR ADR (SERIAL ADDRESS) TERMINALS

<VIDEO BOARD MODE>

PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL	PIN No.	I/O	SYMBOL
1	O	Y28	21	I/O	Y19	41	O	Y04	61	O	ROMCK
2	—	GND	22	O	CKDO1	42	—	GND	62	O	ROMCS
3	O	CKDO2	23	—	GND	43	O	THMO	63	—	GND
4	I/O	Y27	24	I/O	Y18	44	O	CS	64	I	CKDI
5	I/O	Y26	25	I/O	Y17	45	O	CSXP	65	O	Y3B/RCS
6	I/O	Y25	26	I/O	Y16	46	I	CA4	66	O	Y3A/WCS
7	I/O	Y24	27	I/O	Y15	47	I	CA3	67	O	Y39/IA5
8	I/O	Y23	28	I/O	Y14	48	I	CA2	68	O	Y38/IA4
9	I/O	Y22	29	O	Y0F	49	I	CA1	69	O	Y37/IA3
10	I/O	Y21	30	O	Y0E	50	I	CA0	70	O	Y36/IA2
11	O	ADRO	31	O	Y0D	51	I	RST	71	O	Y35/IA1
12	—	GND	32	O	Y0C	52	—	GND	72	O	Y34/IA0
13	I/O	DIO	33	—	V_{DD}	53	I	ADRI	73	—	V_{DD}
14	I/O	Y20	34	O	Y0B	54	I	DIN	74	O	Y33
15	I/O	Y1F	35	O	Y0A	55	O	OEH	75	O	Y32
16	I/O	Y1E	36	O	Y09	56	O	DO	76	O	Y31
17	I/O	Y1D	37	O	Y08	57	O	GENO	77	O	Y30
18	I/O	Y1C	38	O	Y07	58	I	MODE	78	O	Y2B
19	I/O	Y1B	39	O	Y06	59	I	ROMI	79	O	Y2A
20	I/O	Y1A	40	O	Y05	60	O	ROMO	80	O	Y29

<VIDEO MODE>

INPUT

ADRI	; SERIAL ADDRESS
CA0-CA4	; CARD ADDRESS (5-BIT)
CKDI	; SERIAL INTERFACE CLOCK
DIN	; SERIAL DATA
MODE	; CPU/VIDEO BOARD MODE SELECT H : VIDEO MODE
ROMI	; READ DATA IN FOR EEPROM
RST	; RESET PULSE (L : RESET)

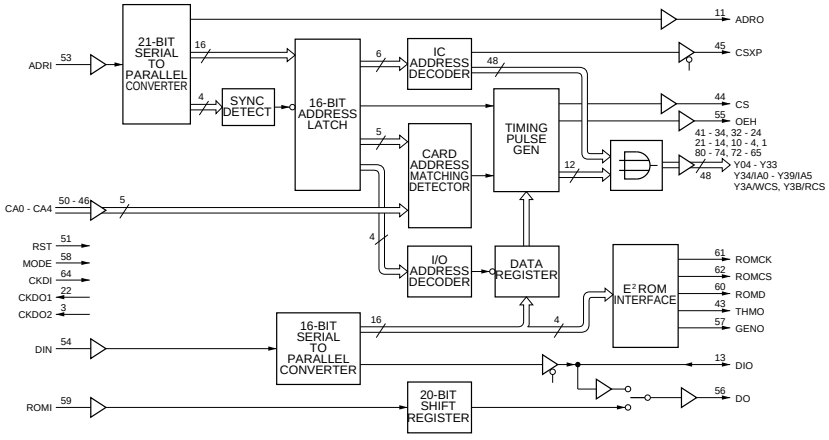
OUTPUT

ADRO	; SERIAL ADDRESS
CKDO1, CKDO2	; SERIAL INTERFACE CLOCK
CSXP	; CHIP SELECT OUT FOR 20-BIT CROSS POINT ICS
DO	; SERIAL DATA
GENO	; UNIVERSAL CONTROL
OEH	; ENABLE OUT FOR DRIVER
ROM CK	; CLOCK OUT FOR EEPROM
ROM CS	; CHIP SELECT OUT FOR EEPROM
ROMD	; WRITE DATA OUT FOR EEPROM
THMO	; THERMISTOR CONTROL
Y04 - Y3B	; IC ADDRESS DECODER

INPUT/OUTPUT

DIO	; SERIAL DATA

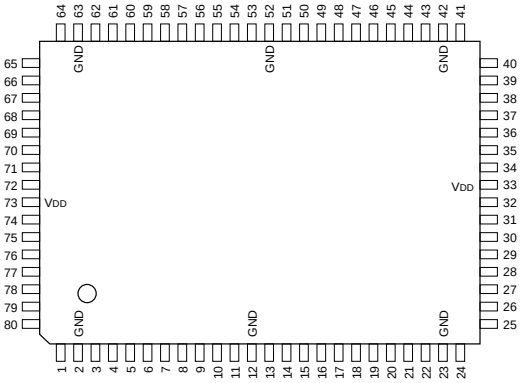
<VIDEO MODE>



CXD8053Q (SONY)

C-MOS BOX GENERATOR

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	OCS	21	I	MXI6	41	O	MXO3	61	O	MXG8
2	—	GND	22	I	MXI5	42	—	GND	62	O	MXG9
3	O	SOLB	23	—	GND	43	O	MXO4	63	—	GND
4	O	SOLA	24	I	MXI4	44	O	MXO5	64	O	MXGA
5	O	SOL9	25	I	MXI3	45	O	MXO6	65	O	MXGB
6	O	SOL8	26	I	MXI2	46	O	MXO7	66	O	TITL
7	O	SOL7	27	I	MXI1	47	O	MXO8	67	I	CHAR
8	O	SOL6	28	I	MXI0	48	O	MXO9	68	I	TST1
9	O	SOL5	29	I	EXT	49	O	MXOA	69	I	TST0
10	O	SOL4	30	I	EXFR	50	O	MXOB	70	I	MOD1
11	O	SOL3	31	I	HD	51	I	OCG	71	I	MOD0
12	—	GND	32	I	VD	52	—	GND	72	I	RST
13	O	SOL2	33	—	VDD	53	O	MXG0	73	—	VDD
14	O	SOL1	34	I	FLOE	54	O	MXG1	74	I	CKX
15	O	SOL0	35	O	GCTL	55	O	MXG2	75	I	CS
16	I	MXIB	36	O	DCTL	56	O	MXG3	76	I/O	DIO
17	I	MXIA	37	I	OCM	57	O	MXG4	77	I	ADR
18	I	MXI9	38	O	MXO0	58	O	MXG5	78	I	CKD
19	I	MXI8	39	O	MXO1	59	O	MXG6	79	I	TRCK
20	I	MXI7	40	O	MXO2	60	O	MXG7	80	I	CK

INPUT

ADR ; SERIAL ADDRESS
CHAR ; CHARACTER
CK ; SYSTEM CLOCK (MAX. 20 MHz)
CKD ; SERIAL INTERFACE CLOCK
CKX ; SWITCHING TIMING PULSE (HIGH ACTIVE)
CS ; CHIP SELECT
EXFR ; EXTERNAL FRINGE PULSE
EXT ; EXTERNAL FRINGE MODE
FLOE ; FIELD ODD/EVEN
HD ; HORIZONTAL DRIVE PULSE

MIXB - MIX0 ;

MODE 0	NOT USED
MODE 1	VIDEO DATA
MODE 2	MULTIPLEXED SINE DATA
MODE 3	

MOD1, 2 ; MODE SET

MOD1	MOD0	MODE	FUNCTION
0	0	MODE0	BOX MASK SOLID GENERATOR
	1	MODE1	SAFE TITLE GENERATOR/ INSERTER
1	0	MODE2	WIPE FRINGE MODULATION OSCILLATOR
	1	MODE3	WIPE H-V MODULATION OSCILLATOR

0 ; LOW LEVEL 1 ; HIGH LEVEL

OCG ; OUTPUT ENABLE OF MXGB-MXG0 (LOW : ENABLE)
OCM ; OUTPUT ENABLE OF MXOB-MXO0 (LOW : ENABLE)
OCS ; OUTPUT ENABLE OF SOLB-SOL0 (LOW : ENABLE)
RST ; SERIAL CONTROL RESET
TRCK ; FRINGE DATA READ PULSE
TST0 ; OUTPUT SWITCH
TST1 ; TEST/NORMAL
VD ; VERTICAL DRIVE PULSE

OUTPUT

DCTL ; MXO OUT CONTROL PULSE
GCTL ; MXG OUT CONTROL PULSE

MXGB - MXG0 ;

MODE 0	COUNTER OUTPUT
MODE 1	COUNTER OUTPUT
MODE 2	FRINGE MOD. GAIN
MODE 3	H-V MOD. MULTIPLEXED GAIN

MXOB - MXO0 ;

MODE 0	SOLID DATA
MODE 1	SOLID DATA
MODE 2	FRINGE MOD. ADDRESS
MODE 3	H-V MOD. MULTIPLEXED ADDRESS

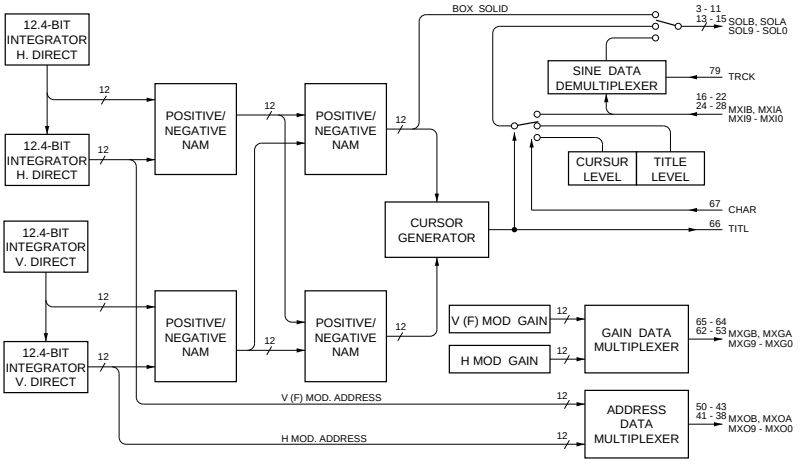
SOLB - SOL0 ;

MODE 0	SOLID DATA
MODE 1	SAFETITLED DATA
MODE 2	FRINGE DATA
MODE 3	H MOD. DATA

TITL ; SAFE TITLE

INPUT/OUTPUT

DIO ; SERIAL DATA

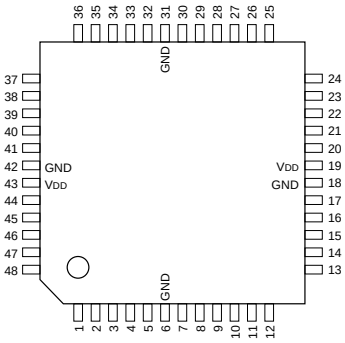


http://getMANUAL.com

CXD8058Q (SONY)

C-MOS MEMORY CONTROL

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I/O	D7/PA4	13	I/O	C4/PD4	25	O	B2	37	I	CK1
2	I/O	D6/PA3	14	I/O	C3/PD3	26	O	B1/PLS3	38	I	CK2
3	I/O	D5/PA2	15	I/O	C2/PD2	27	I/O	B0/EN3	39	I	CK3
4	I/O	D4/PA1	16	I/O	C1/PD1	28	I/O	A7/LD3	40	I	CK4
5	I/O	D3/PDB	17	I/O	C0/PD0	29	O	A6/PLS2	41	I	CKX
6	—	GND	18	—	GND	30	I/O	A5/EN2	42	—	GND
7	I/O	D2/PDA	19	—	VDD	31	—	GND	43	—	VDD
8	I/O	D1/PD9	20	I/O	B7/TEST	32	I/O	A4/LD2	44	I	RST
9	I/O	D0/PD8	21	O	B6/PLS4	33	O	A3/PLS1	45	I	CKD
10	I/O	C7/PD7	22	I/O	B5/EN4	34	I/O	A2/EN1	46	I/O	DIO
11	I/O	C6/PD6	23	I/O	B4/LD4	35	I/O	A1/LD1	47	I	ADR
12	I/O	C5/PD5	24	O	B3	36	O	A0	48	I	CS

MODE*	FUNCTION
MOD 0	4 CHANNEL (CH1 TO CH4) CYCLIC PULSE GENERATORS
MOD 1	2 CHANNEL (CH1 AND CH2) CYCLIC PULSE GENERATORS 1 CHANNEL (CH3) CLOCK FREQUENCY COUNTER
MOD 2	2 CHANNEL (CH1 AND CH2) CYCLIC PULSE GENERATORS 2 CHANNEL (CHC AND CHD) 8-BIT SERIAL TO PARALLEL CONVERTOR
MOD 3	4 CHANNEL (CHA TO CHD) 8-BIT SERIAL TO PARALLEL CONVERTOR

* THESE 4 MODE CONTROLS ARE DETERMINED AT MODE REGISTER.

<COMMON TERMINALS FOR ALL FUNCTION>

INPUT

ADR ; SERIAL ADDRESS
CKD ; SERIAL INTERFACE CLOCK
CKX ; SWITCHING TIMING PULSE
CS ; CHIP SELECT (LOW : ACTIVE)
RST ; RESET PULSE (LOW : RESET REGISTERS)

INPUT/OUTPUT

DIO ; SERIAL DATA
(MODE CONTROL DATA, REGISTER DATA IN
CH3 CLOCK FREQUENCY COUNTER DATA OUT)

<TERMINALS FOR CYCLIC PULSE GENERATORS>

INPUT

CK1-CK4 ; SYSTEM CLOCK FOR 12-BIT COUNTER OF CH1-CH4
EN1-EN4 ; ENABLE IN FOR 12-BIT COUNTER OF CH1-CH4
LD1-LD4 ; LOAD IN FOR 12-BIT COUNTER OF CH1-CH4

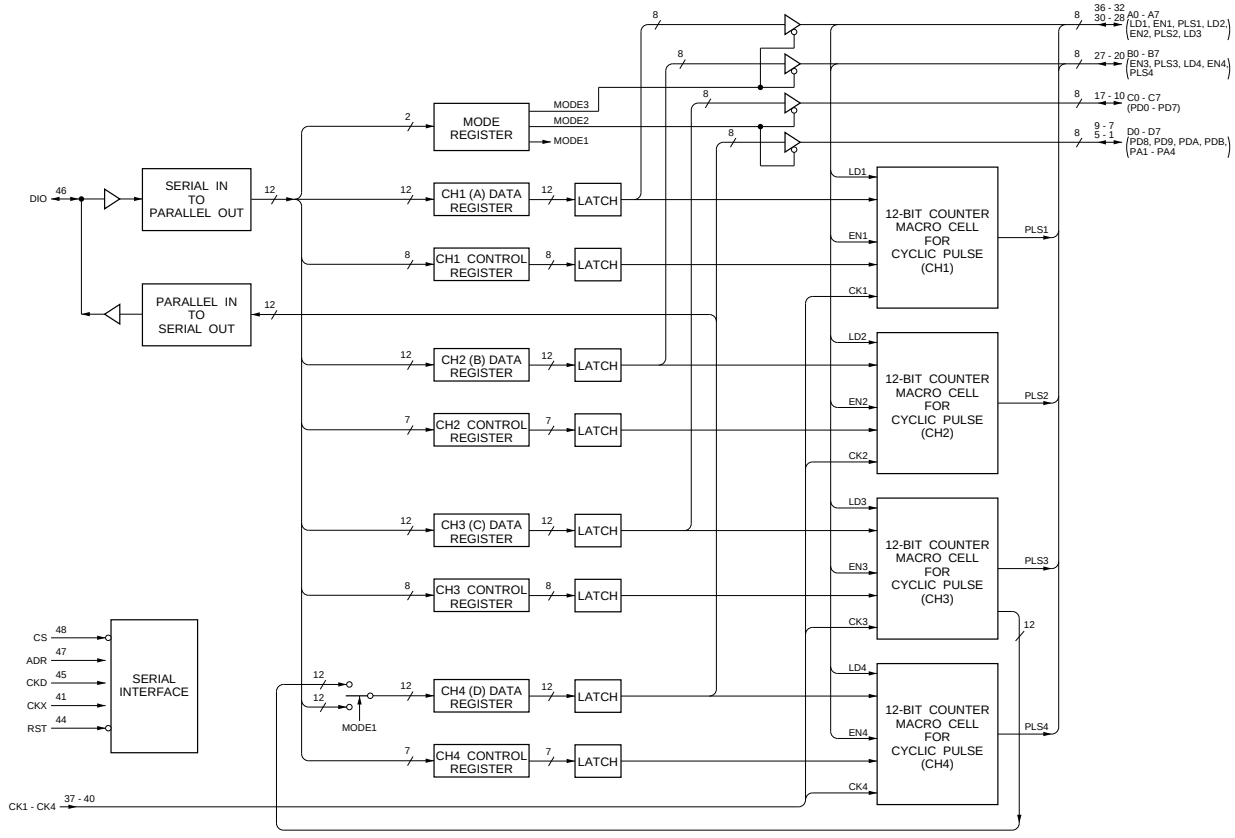
OUTPUT

PLS1-PLS4 ; PULSE OUT (CARRY OUTPUT) OF CH1-CH4

<TERMINALS FOR 8-BIT SERIAL TO PARALLEL CONVERTORS>

OUTPUT

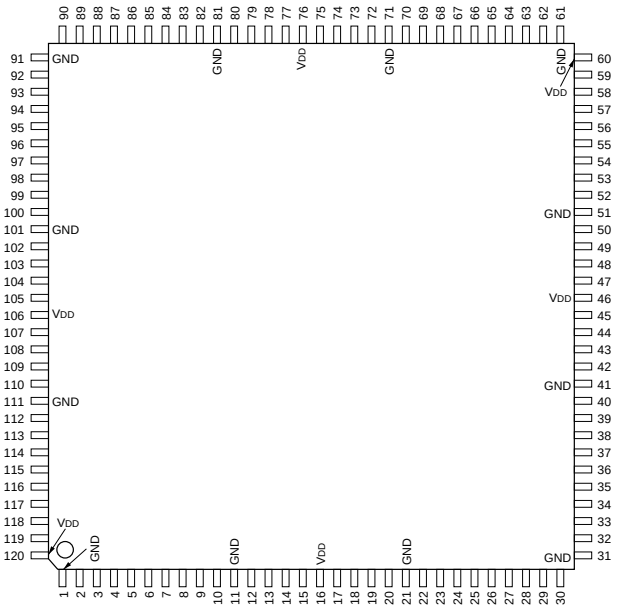
A7-A0 ; 8-BIT PARALLEL DATA OUT OF CHA
B7-B0 ; 8-BIT PARALLEL DATA OUT OF CHB
C7-C0 ; 8-BIT PARALLEL DATA OUT OF CHC
D7-D0 ; 8-BIT PARALLEL DATA OUT OF CHD



CXD8060Q (SONY)

C-MOS POLAR COORDINATE

—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	31	—	GND	61	—	GND	91	—	GND
2	I	Y1	32	O	P4	62	I/O	TIO0	92	I	XC
3	I	Y0	33	O	P5	63	I/O	TIO1	93	I	XB
4	I	OB2S	34	O	P6	64	I/O	TIO2	94	I	XA
5	I	CKX	35	O	P7	65	I/O	TIO3	95	I	X9
6	I	RST	36	O	P8	66	I/O	TIO4	96	I	X8
7	I	ADR	37	O	P9	67	I/O	TIO5	97	I	X7
8	I/O	DIO	38	O	PA	68	I/O	TIO6	98	I	X6
9	I	CS	39	O	PB	69	I/O	TIO7	99	I	X5
10	I	CKD	40	O	PC	70	I/O	TIO8	100	I	X4
11	—	GND	41	—	GND	71	—	GND	101	—	GND
12	I	TST0	42	O	PD	72	I/O	TIO9	102	I	X3
13	I	TST1	43	O	ML	73	I/O	TIOA	103	I	X2
14	I	TST2	44	O	M0	74	I/O	TIOB	104	I	X1
15	I	TST3	45	O	M1	75	I/O	TIOC	105	I	X0
16	—	VDD	46	—	VDD	76	—	VDD	106	—	VDD
17	I	RCL0	47	O	M2	77	I/O	TIOD	107	I	CK
18	I	RCL1	48	O	M3	78	I/O	TIOE	108	I	YC
19	I	RDP0	49	O	M4	79	I/O	TIOF	109	I	YB
20	I	RDP1	50	O	M5	80	I/O	TIOG	110	I	YA
21	—	GND	51	—	GND	81	—	GND	111	—	GND
22	I	OEP	52	O	M6	82	I/O	TIOH	112	I	Y9
23	I	RDM	53	O	M7	83	I/O	TIOI	113	I	Y8
24	I	MDL	54	O	M8	84	I/O	TIOJ	114	I	Y7
25	I	OEM	55	O	M9	85	I/O	TIOK	115	I	Y6
26	O	PL	56	O	MA	86	I/O	TIOL	116	I	Y5
27	O	P0	57	O	MB	87	I/O	TIOM	117	I	Y4
28	O	P1	58	O	MC	88	I/O	TION	118	I	Y3
29	O	P2	59	O	MD	89	I/O	TIOO	119	I	Y2
30	O	P3	60	—	VDD	90	I/O	TIOP	120	—	VDD

INPUT

ADR	;	SERIAL ADDRESS
CK	;	SYSTEM CLOCK
CKD	;	SERIAL INTERFACE CLOCK
CKX	;	SWITCHING TIMING PULSE
CS	;	CHIP SELECT
MDL	;	M OUTPUT DELAY CONTROL (HIGH : NORMAL, LOW : 2CK DELAY MODE)
OB2S	;	OFFSET BINARY/2'S COMPLEMENT SELECT (HIGH : 2'S COMPLEMENT, LOW : OFFSET BINARY)
OEM	;	M OUT ENABLE (LOW : ENABLE)
OEP	;	P OUT ENABLE (LOW : ENABLE)
RCL0	;	REGISTER CLEAR (HIGH : NORMAL, LOW : SET A AND B DATA TO 0)
RCL1	;	REGISTER CLEAR (HIGH : NORMAL, LOW : SET C DATA TO 0)
RDM	;	ROUNDING M OUT (HIGH)/DISCARD M OUT SELECT (LOW)
RDP0, RDP1	;	ROUNDING P OUT (HIGH)/DISCARD P OUT SELECT (LOW)
RST	;	RESET PULSE (LOW : SET DIO TERMINAL TO FIXED INPUT MODE0)
TST0 - TST3	;	FUNCTION MODE SELECT

TST3	TST2	TST1	TST0	FUNCTION MODE	TIO TERMINAL I/O STATUS
1	1	1	0	$M = \sqrt{(X-A)^2 + (Y-B)^2}$, $P = \tan^{-1}\left(\frac{Y-B}{X-A}\right) + C$	OUTPUT : $(X-A)^2 + (Y-B)^2$
			1	A, B, C : SERIAL DATA	OUTPUT : $\|X-A\|$ / $\|Y-B\|$, $\|Y-B\|$ / $\|X-A\|$
0	0	0	X	$M = \sqrt{(X-A)^2 + (Y-B)^2}$, $P = \tan^{-1}\left(\frac{Y-B}{X-A}\right) + C$ A, B : TIO INPUT, C : SERIAL DATA	INPUT (A AND B DATA)
0	1	1	X	$M = \sqrt{(X-A)^2 + (Y-B)^2}$, $P = \tan^{-1}\left(\frac{Y-B}{X-A}\right) + C$ A, B : SERIAL DATA, C : TIO INPUT	INPUT (C DATA)
0	0	1	X	$M = \sqrt{R}$ R : TIO INPUT	INPUT (R)
1	1	0	X	$M = \tan^{-1}D$ D : TIO INPUT	INPUT (D)

X ; DON'T CARE

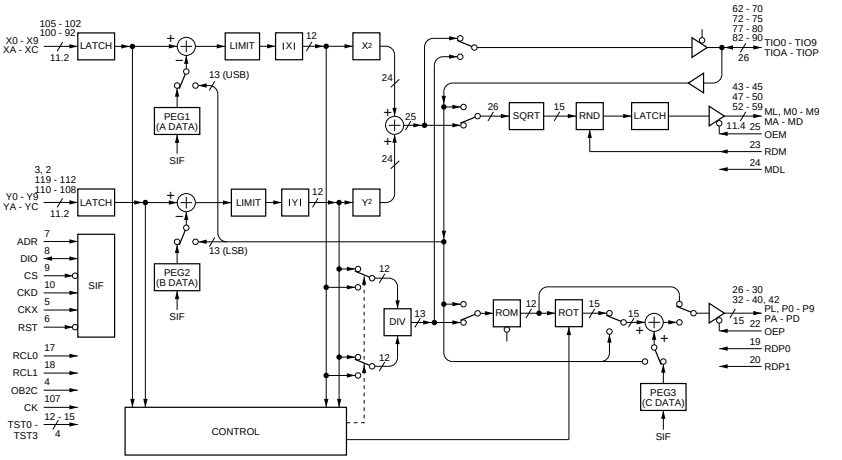
X0 - X9, XA - XC	;	11.2-BIT DIGITAL IN
Y0 - Y9, YA - YC	;	11.2-BIT DIGITAL IN

OUTPUT

ML, M0 - M9, MA - MD	;	11.4-BIT DIGITAL OUT (RADIUS DATA)
PL, P0 - P9, PA - PD	;	15-BIT DIGITAL OUT (ANGLE DATA)

INPUT/OUTPUT

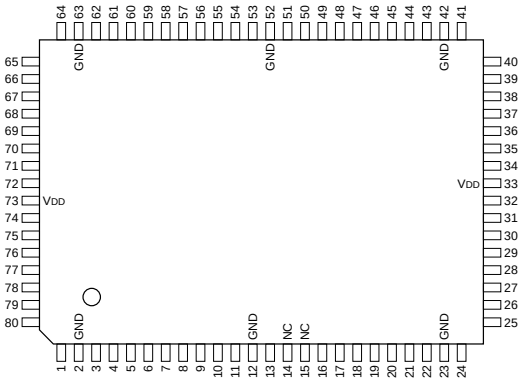
DIO	;	SERIAL DATA
TIO0 - TIO9, TIOA - TIOP	;	TEST



CXD8061 (SONY)FLAT PACKAGE

C-MOS SOLID GENERATOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	CK	21	I	$\overline{CS}$	41	I	SEL0	61	I	A0
2	—	GND	22	I	CKX	42	—	GND	62	I	AEM3
3	O	P11	23	—	GND	43	I	SEL1	63	—	GND
4	O	P10	24	I	CKD	44	I	SEL2	64	I	AEM2
5	O	P9	25	I	B13	45	O	PM11	65	I	AEM1
6	O	P8	26	I	B12	46	O	PM10	66	I	AE0
7	O	P7	27	I	B11	47	O	PM9	67	I	AM1
8	O	P6	28	I	B10	48	O	PM8	68	I	AM2
9	O	P5	29	I	B9	49	O	PM7	69	I	AM3
10	O	P4	30	I	B8	50	O	PM6	70	I	AM4
11	O	P3	31	I	B7	51	O	PM5	71	I	AM5
12	—	GND	32	I	B6	52	—	GND	72	I	AM6
13	O	PM12	33	—	VDD	53	O	PM4	73	—	VDD
14	—	NC	34	I	B5	54	O	PM3	74	I	AM7
15	—	NC	35	I	B4	55	O	PM2	75	I	AM8
16	I	SRIL	36	I	B3	56	O	PM1	76	I	AM9
17	I	RNDL	37	I	B2	57	O	P0	77	I	AM10
18	I	ADR	38	I	B1	58	O	P1	78	I	AM11
19	I/O	DIO	39	I	B0	59	O	P2	79	I	AM12
20	I	$\overline{RCS}$	40	I	DCTL	60	I	$\overline{OE}$	80	I	AM13

INPUT

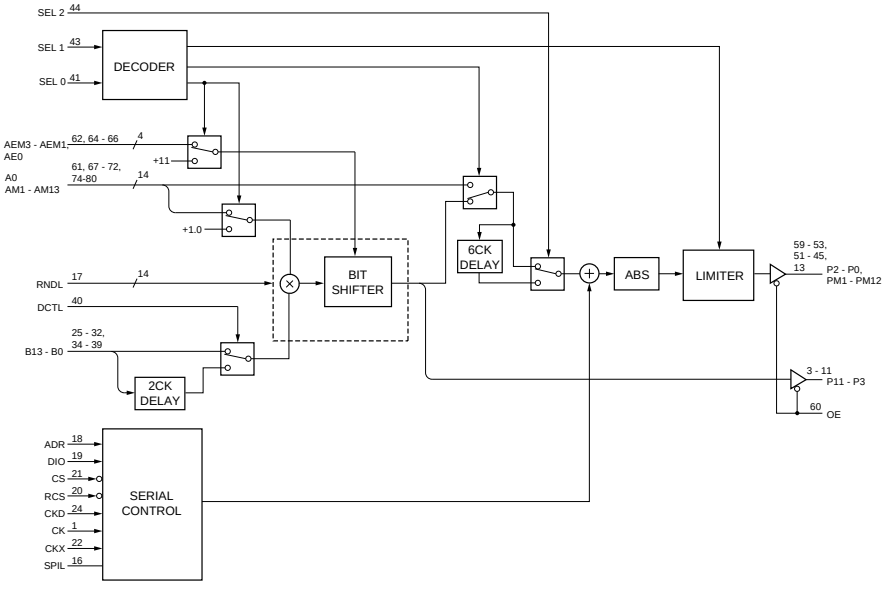
A0, AM1 - AM13	;	MANTISSA OF FLOWTING-POINT REPRESENTATION
ADR	;	SERIAL ADDRESS
AE0, AEM1 - AEM3	;	EXPONENT OF FLOWTING-POINT REPRESENTATION
B0 - B13	;	FIXED-POINT REPRESENTATION
CK	;	SYSTEM CLOCK
CKD	;	SERIAL INTERFACE CLOCK
CKX	;	SWITCHING TIMING PULSE
$\overline{CS}$	;	CHIP SELECT (LOW : ACTIVE)
DCTL	;	DELAY CONTROL OF B0 - B13 INPUT (LOW : ACTIVE)
$\overline{OE}$	;	OUTPUT ENABLE (LOW : ENABLE)
RNDL	;	MULTIPLIER ROUNDING CONTROL (LOW : ACTIVE)
SEL0, SEL1	;	SEL (0, 1) = (0, 0) BYPASS A (A IN → P OUT) = (0, 1) BYPASS B (B IN → P OUT) = (1, 0) P = A × B = (1, 1) P = A × B
SEL2	;	DELAY CONTROL OF P2 - PM12 OUTPUT (HIGH : ACTIVE)
SRIL	;	SERIAL CONTROL ENABLE (LOW : ACTIVE)

OUTPUT

P0 - P11, PM1 - PM12	;	MULTIPLIER OUTPUT (SOLID DATA : P2 - P0, PM1 - PM12)

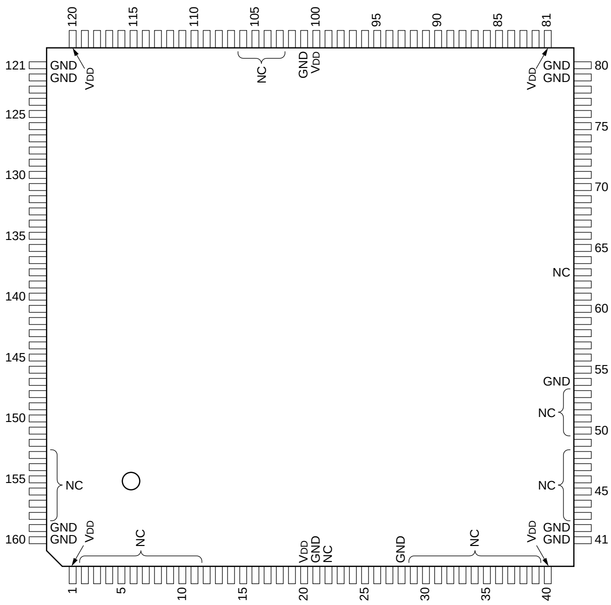
INPUT / OUTPUT

DIO	;	SERIAL DATA



CXD8841Q (SONY)

C-MOS 23-BITS INTERPOLATOR
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	33	—	NC	65	I/O	D28	97	O	POT1	129	I	OE1
2	—	NC	34	—	NC	66	I/O	D27	98	O	POT0	130	O	O22
3	—	NC	35	—	NC	67	I/O	D26	99	I	CKW	131	O	O21
4	—	NC	36	—	NC	68	I/O	D25	100	—	VDD	132	O	O20
5	—	NC	37	—	NC	69	I/O	D24	101	—	GND	133	O	O19
6	—	NC	38	—	NC	70	I/O	D23	102	I	RST	134	O	O18
7	—	NC	39	—	NC	71	I/O	D22	103	—	NC	135	O	O17
8	—	NC	40	—	VDD	72	I/O	D21	104	—	NC	136	O	O16
9	—	NC	41	—	GND	73	I/O	D20	105	—	NC	137	O	O15
10	—	NC	42	—	GND	74	I/O	D19	106	—	NC	138	O	O14
11	—	NC	43	—	NC	75	I/O	D18	107	I	CKX	139	O	O13
12	I	I12	44	—	NC	76	I/O	D17	108	O	FLGO	140	O	O12
13	I	I11	45	—	NC	77	I/O	D16	109	O	POT2	141	O	O11
14	I	I10	46	—	NC	78	I/O	D15	110	O	RM1	142	O	O10
15	I	I09	47	—	NC	79	—	GND	111	O	RM0	143	O	O09
16	I	I08	48	—	NC	80	—	GND	112	I	OE3	144	O	O08
17	I	I07	49	I	MODE	81	—	VDD	113	O	W12	145	O	O07
18	I	I06	50	—	NC	82	I/O	D14	114	O	W11	146	O	O06
19	I	I05	51	—	NC	83	I/O	D13	115	O	W10	147	O	O05
20	—	VDD	52	—	NC	84	I/O	D12	116	O	W09	148	O	O04
21	—	GND	53	—	NC	85	I/O	D11	117	O	W08	149	O	O03
22	—	NC	54	—	GND	86	I/O	D10	118	O	W07	150	O	O02
23	I	I04	55	I	ADD3	87	I/O	D09	119	O	W06	151	O	O01
24	I	I03	56	I	ADD2	88	I/O	D08	120	—	VDD	152	O	O00
25	I	I02	57	I	ADD1	89	I/O	D07	121	—	GND	153	—	NC
26	I	I01	58	I	ADD0	90	I/O	D06	122	—	GND	154	—	NC
27	I	I00	59	I	CS	91	I/O	D05	123	O	W05	155	—	NC
28	—	GND	60	I	RW	92	I/O	D04	124	O	W04	156	—	NC
29	—	NC	61	I	STRB	93	I/O	D03	125	O	W03	157	—	NC
30	—	NC	62	I	STRT	94	I/O	D02	126	O	W02	158	—	NC
31	—	NC	63	—	NC	95	I/O	D01	127	O	W01	159	—	GND
32	—	NC	64	I/O	D29	96	I/O	D00	128	O	W00	160	—	GND

INPUT

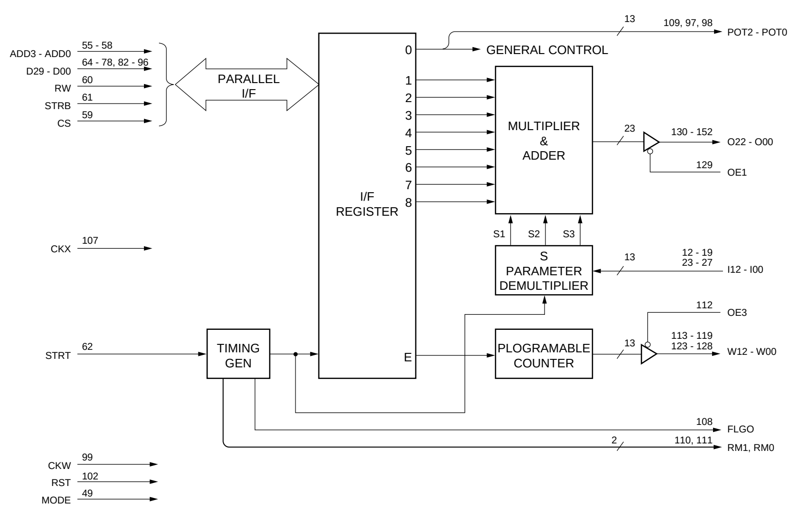
ADD0 - ADD3 ; PARALLEL ADDRESS
CS ; CHIP SELECT
CKW ; SYSTEM CLOCK
CKX ; COMAND EXECUTION CLOCK
I00 - I12 ; INTERPOLATION RATIO INPUTS
MODE ; LOW : NORMAL
OE1 ; O00-O22 OUTPUT ENABLE
OE3 ; W00-W12 OUTPUT ENABLE
RST ; RESET SIGNAL
RW ; READ / WRITE SIGNAL
STRB ; STROBE SIGNAL
STRT ; INTERPOLATION TIMING SIGNAL

OUTPUT

FLGO ; INTERNAL TIMING FLAG
O00 - O22 ; INTERPOLATED OUTPUT DATA
POT0 - POT2 ; PARALLEL OUTPUT PORTS
RM0, RM1 ; INTERNAL TIMING FLAGS
W00 - W12 ; EXTERNAL RAM WRITE ADDRESS

INPUT/OUTPUT

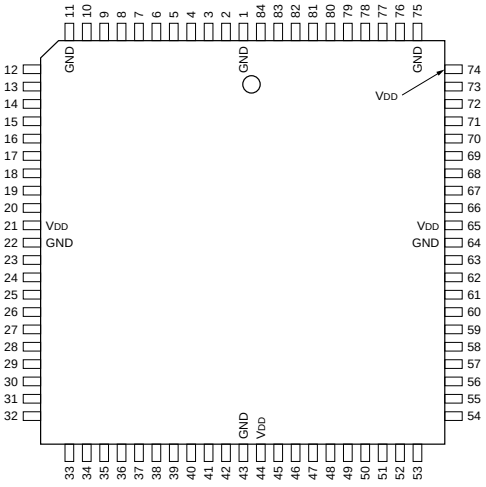
D00 - D29 ; PARALLEL DATA



CXD8893J (SONY)

C-MOS (32 × 32 × 1)-BIT DIGITAL CROSSPOINT

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	22	—	GND	43	—	GND	64	—	GND
2	O	DOUT15	23	I	DIN0	44	—	VDD	65	—	VDD
3	O	DOUT14	24	I	DIN1	45	I	CKX	66	O	DOUT31
4	O	DOUT13	25	I	DIN2	46	I	SADD	67	O	DOUT30
5	O	DOUT12	26	I	DIN3	47	I	CKD	68	O	DOUT29
6	O	DOUT11	27	I	DIN4	48	I	DIO	69	O	DOUT28
7	O	DOUT10	28	I	DIN5	49	I	$\overline{CS}$	70	O	DOUT27
8	O	DOUT9	29	I	DIN6	50	I	$\overline{RESET}$	71	O	DOUT26
9	O	DOUT8	30	I	DIN7	51	I	DIN19	72	O	DOUT25
10	O	DOUT7	31	I	DIN8	52	I	DIN20	73	O	DOUT24
11	—	GND	32	I	DIN9	53	I	DIN21	74	—	VDD
12	O	DOUT6	33	I	DIN10	54	I	DIN22	75	—	GND
13	O	DOUT5	34	I	DIN11	55	I	DIN23	76	O	DOUT23
14	O	DOUT4	35	I	DIN12	56	I	DIN24	77	O	DOUT22
15	O	DOUT3	36	I	DIN13	57	I	DIN25	78	O	DOUT21
16	O	DOUT2	37	I	DIN14	58	I	DIN26	79	O	DOUT20
17	O	DOUT1	38	I	DIN15	59	I	DIN27	80	O	DOUT19
18	O	DOUT0	39	I	DIN16	60	I	DIN28	81	O	DOUT18
19	O	PO	40	I	DIN17	61	I	DIN29	82	O	DOUT17
20	I	BLACK	41	I	DIN18	62	I	DIN30	83	O	DOUT16
21	—	VDD	42	I	CLOCK	63	I	DIN31	84	O	DOUT15

INPUT

BLACK : BLACK LEVEL BIT
CKD : SERIAL INTERFACE DATA CLOCK
CKX : SERIAL INTERFACE LATCH CLOCK
CLOCK : DEVICE MASTER CLOCK
$\overline{CS}$: SERIAL INTERFACE CHIP SELECT
DIN0 - DIN31 : 32-BIT DATA
DIO : SERIAL INTERFACE DATA
$\overline{RESET}$: DEVICE RESET
SADD : SERIAL INTERFACE ADDRESS

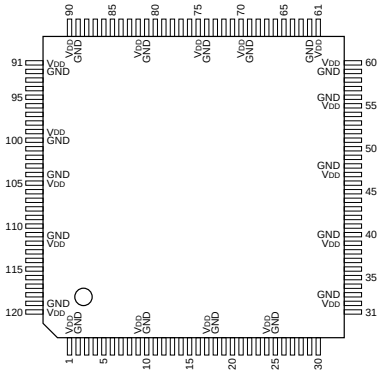
OUTPUT

DOUT0 - DOUT31 : 32-BIT DATA
PO : PARAMETRIC OUTPUT FOR DEVICE TEST

CXD8898Q (SONY)

C-MOS KEY PROCESSOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	31	—	VDD	61	—	VDD	91	—	VDD
2	—	GND	32	—	GND	62	—	GND	92	—	GND
3	I	DIB16	33	I	DIA16	63	—	NC	93	—	NC
4	I	DIB15	34	I	DIA15	64	—	NC	94	I/O	DIO
5	I	DIB14	35	I	DIA14	65	—	NC	95	I	$\overline{CS}$
6	I	DIB13	36	I	DIA13	66	—	NC	96	I	ADR
7	I	DIB12	37	I	DIA12	67	—	NC	97	I	CKX
8	I	DIB11	38	I	DIA11	68	—	NC	98	I	CKD
9	—	VDD	39	—	VDD	69	—	GND	99	—	VDD
10	—	GND	40	—	GND	70	—	VDD	100	—	GND
11	I	DIB10	41	I	DIA10	71	O	DOX0	101	O	DOY0
12	I	DIB9	42	I	DIA9	72	O	DOX1	102	O	DOY1
13	I	DIB8	43	I	DIA8	73	O	DOX2	103	O	DOY2
14	I	DIB7	44	I	DIA7	74	—	GND	104	—	GND
15	I	DIB6	45	I	DIA6	75	—	VDD	105	—	VDD
16	I	DIB5	46	I	DIA5	76	O	DOX3	106	O	DOY3
17	—	VDD	47	—	VDD	77	O	DOX4	107	O	DOY4
18	—	GND	48	—	GND	78	O	DOX5	108	O	DOY5
19	I	DIB4	49	I	DIA4	79	O	DOX6	109	O	DOY6
20	I	DIB3	50	I	DIA3	80	O	DOX7	110	O	DOY7
21	I	DIB2	51	I	DIA2	81	—	GND	111	—	GND
22	I	DIB1	52	I	DIA1	82	—	VDD	112	—	VDD
23	I	DIB0	53	I	DIA0	83	O	DOX8	113	O	DOY8
24	—	VDD	54	O	PO	84	O	DOX9	114	O	DOY9
25	—	GND	55	—	VDD	85	O	DOX10	115	O	DOY10
26	—	NC	56	—	GND	86	O	DOX11	116	O	DOY11
27	—	NC	57	I	$\overline{RST}$	87	O	$\overline{DOX12}$	117	O	$\overline{DOY12}$
28	—	NC	58	I	CLK	88	I	$\overline{OEXL}$	118	I	$\overline{OEYL}$
29	—	NC	59	—	GND	89	—	GND	119	—	GND
30	—	NC	60	—	VDD	90	—	VDD	120	—	VDD

INPUT

ADR : SERIAL ADDRESS
CKD : SERIAL INTERFACE CLOCK
CKX : SWITCHING TIMING PULSE
CLK : SYSTEM CLOCK
CS : CHIP SELECT
DIA0 - DIA16 : CHANNEL-A 2'S COMPLEMENT DATA
DIB0 - DIB16 : CHANNEL-B 2'S COMPLEMENT DATA
OEXL, OEYL : OUTPUT ENABLE
RST : SERIAL INTERFACE RESET

OUTPUT

DOX0 - DOX12 : CHANNEL-X DATA
DOY0 - DOY12 : CHANNEL-Y DATA
PO : PARAMETRIC OUTPUT FOR DEVICE TEST

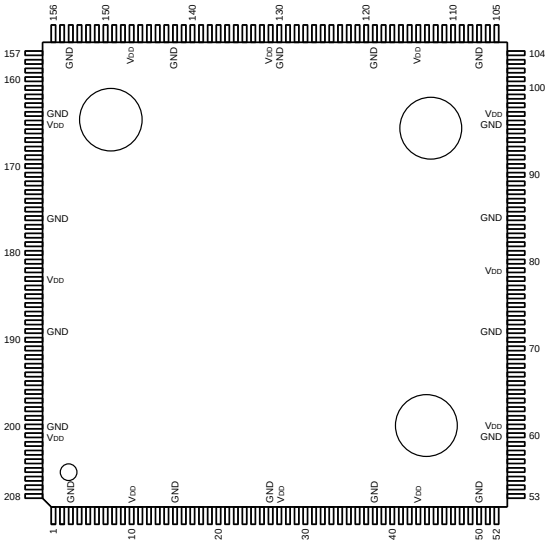
INPUT/OUTPUT

DIO : SERIAL DATA

CXD8848AQ (SONY)

C-MOS WIPE/BOX/MATTE/WASH

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	WASH13	43	—	VDD	85	—	GND	127	I	MOD24	169	I	SADD
2	O	WASH12	44	I	SC1	86	I/O	K/X23	128	I	MOD25	170	I	XMM
3	—	GND	45	I	VBLK1	87	I/O	K/X24	129	I	MOD26	171	I	CKD
4	O	WASH11	46	I	$\overline{CS10}$	88	I/O	K/X25	130	—	GND	172	I	CKX
5	O	WASH10	47	I	$\overline{CS11}$	89	I/O	K/X26	131	—	VDD	173	I	MODW1
6	O	BXWP111	48	I/O	K/X1M2	90	I/O	K/X27	132	I	MOD27	174	I	MODW2
7	O	BXWP110	49	I/O	K/X1M1	91	I/O	K/X28	133	I	MOD28	175	I	CK
8	O	BXWP19	50	—	GND	92	I/O	K/X29	134	I	MOD29	176	—	GND
9	O	BXWP18	51	I/O	K/X10	93	I/O	K/X210	135	I	MOD210	177	I	$\overline{RST}$
10	—	VDD	52	I/O	K/X11	94	I/O	K/X211	136	I	MOD211	178	I	TSI0
11	O	BXWP17	53	I/O	K/X12	95	I/O	V/Y2M1	137	O	BXWP211	179	I	TSI1
12	O	BXWP16	54	I/O	K/X13	96	—	GND	138	O	BXWP210	180	I	TSI2
13	O	BXWP15	55	I/O	K/X14	97	—	VDD	139	O	BXWP29	181	I	TSI3
14	O	BXWP14	56	I/O	K/X15	98	I/O	V/Y20	140	O	BXWP28	182	I	TSM0
15	—	GND	57	I/O	K/X16	99	I/O	V/Y21	141	O	BXWP27	183	—	VDD
16	O	BXWP13	58	I/O	K/X17	100	I/O	V/Y22	142	—	GND	184	I	TSM1
17	O	BXWP12	59	I/O	K/X18	101	I/O	V/Y23	143	O	BXWP26	185	I	TSM2
18	O	BXWP11	60	—	GND	102	I/O	V/Y24	144	O	BXWP25	186	I	TSM3
19	O	BXWP10	61	—	VDD	103	I/O	V/Y25	145	O	BXWP24	187	I	TSM4
20	O	BXWP1M1	62	I/O	K/X19	104	I/O	V/Y26	146	O	BXWP23	188	I	TSCK
21	O	BXWP1M2	63	I/O	K/X110	105	I/O	V/Y27	147	—	VDD	189	—	GND
22	I	MOD10	64	I/O	K/X111	106	I/O	V/Y28	148	O	BXWP22	190	I	D1/D2
23	I	MOD11	65	I/O	V/Y1M1	107	—	GND	149	O	BXWP21	191	I	CS/CP
24	I	MOD12	66	I/O	V/Y10	108	I/O	V/Y29	150	O	BXWP20	192	I	TMODE
25	I	MOD13	67	I/O	V/Y11	109	I/O	V/Y210	151	O	BXWP2M1	193	O	TSO5
26	—	GND	68	I/O	V/Y12	110	I/O	V/Y211	152	O	BXWP2M2	194	O	TSO4
27	—	VDD	69	I/O	V/Y13	111	I	MPXCTL2	153	O	WASH211	195	O	TSO3
28	I	MOD14	70	I/O	V/Y14	112	I	$\overline{OEBL2}$	154	—	GND	196	O	TSO2
29	I	MOD15	71	I/O	V/Y15	113	I	$\overline{OEWL2}$	155	O	WASH210	197	O	TSO1
30	I	MOD16	72	—	GND	114	—	VDD	156	O	WASH29	198	O	TSO0
31	I	MOD17	73	I/O	V/Y16	115	I	HD2	157	O	WASH28	199	O	WASH111
32	I	MOD18	74	I/O	V/Y17	116	I	VD2	158	O	WASH27	200	—	GND
33	I	MOD19	75	I/O	V/Y18	117	I	FLOE2	159	O	WASH26	201	-	VDD
34	I	MOD110	76	I/O	V/Y19	118	I	SC2	160	O	WASH25	202	O	WASH110
35	I	MOD111	77	I/O	V/Y110	119	—	GND	161	O	WASH24	203	O	WASH19
36	I	MPXCTL1	78	I/O	V/Y111	120	I	VBLK2	162	O	WASH23	204	O	WASH18
37	I	$\overline{OEBL1}$	79	—	VDD	121	I	$\overline{CS20}$	163	O	WASH22	205	O	WASH17
38	—	GND	80	I/O	K/X2M2	122	I	$\overline{CS21}$	164	—	GND	206	O	WASH16
39	I	$\overline{OEWL1}$	81	I/O	K/X2M1	123	I	MOD20	165	—	VDD	207	O	WASH15
40	I	HD1	82	I/O	K/X20	124	I	MOD21	166	O	WASH21	208	O	WASH14
41	I	VD1	83	I/O	K/X21	125	I	MOD22	167	O	WASH20			
42	I	FLOE1	84	I/O	K/X22	126	I	MOD23	168	I/O	SDAT			

INPUT

(WASH-CHANNEL-1)

$\overline{CS1}$ ($\overline{1}$, $\overline{0}$) ; CHIP SELECT
FLOE1 ; FIELD ODD/EVEN INPUT
HD1 ; H DRIVE INPUT
MOD1 (11 - 0) ; MODULATION INPUT
MODW1 ; WIPE/MATTE MODE INPUT (L = MATTE, H = WIPE)
MPX CTL 1 ; MODULATION H/V SWITCH PULSE INPUT
$\overline{OEBL1}$; OUTPUT ENABLE INPUT FOR BXWP1
$\overline{OEWL1}$; OUTPUT ENABLE INPUT FOR WASH1
SC1 ; SUB CARRIER INPUT
VBLK1 ; BLANKING PULSE INPUT
VD1 ; V DRIVE INPUT

(WASH-CHANNEL-2)

$\overline{CS2}$ ($\overline{1}$, $\overline{0}$) ; CHIP SELECT
FLOE2 ; FIELD ODD/EVEN INPUT
HD2 ; H DRIVE INPUT
MOD2 (11-0) ; MODULATION INPUT
MODW2 ; WIPE/MATTE MODE INPUT (L = MATTE, H = WIPE)
MPX CTL 2 ; MODULATION H/V SWITCH PULSE INPUT
$\overline{OEBL2}$; OUTPUT ENABLE INPUT FOR BXWP1
$\overline{OEWL2}$; OUTPUT ENABLE INPUT FOR WASH1
SC2 ; SUB CARRIER INPUT
VBLK2 ; BLANKING PULSE INPUT
VD2 ; V DRIVE INPUT

(COMMON)

CK ; 27 MHz CLOCK INPUT
CKD ; CLOCK INPUT FOR SERIAL CONTROL
CKX ; SWITCHING TIMING PULSE INPUT
CS/CP ; COMPOSITE/COMPONENT MODE (L = COMPOSITE, H = COMPONENT)
D1/D2 ; D1/D2 MODE (L = D1, H = D2)
$\overline{RST}$; RESET INPUT FOR CHIP (L = RESET)
SADD ; ADDRESS INPUT FOR SERIAL CONTROL
SDAT ; DATA INPUT FOR SERIAL CONTROL

(TEST PIN FOR IC CHECK)

TMODE ; TEST MODE (H = TEST MODE)
TSCK ; CLOCK FOR TEST
TSI (3 - 0) ; INPUT FOR TEST
TSM (4 - 0) ; INPUT FOR MULTIPLIER CHECK
XMM ; MULTIPLIER CHECK MODE (H = CHECK)

OUTPUT

(WASH-CHANNEL-1)

BXWP1 (11 - 0) ; BOX/WIPE KEY OUTPUT
WASH1 (11 - 0) ; WASH VIDEO OUTPUT

(WASH-CHANNEL-1)

BXWP2 (11 - 0) ; BOX/WIPE KEY OUTPUT
WASH2 (11 - 0) ; WASH VIDEO OUTPUT

(COMMON)

TSO (5 - 0) ; OUTPUT FOR TEST

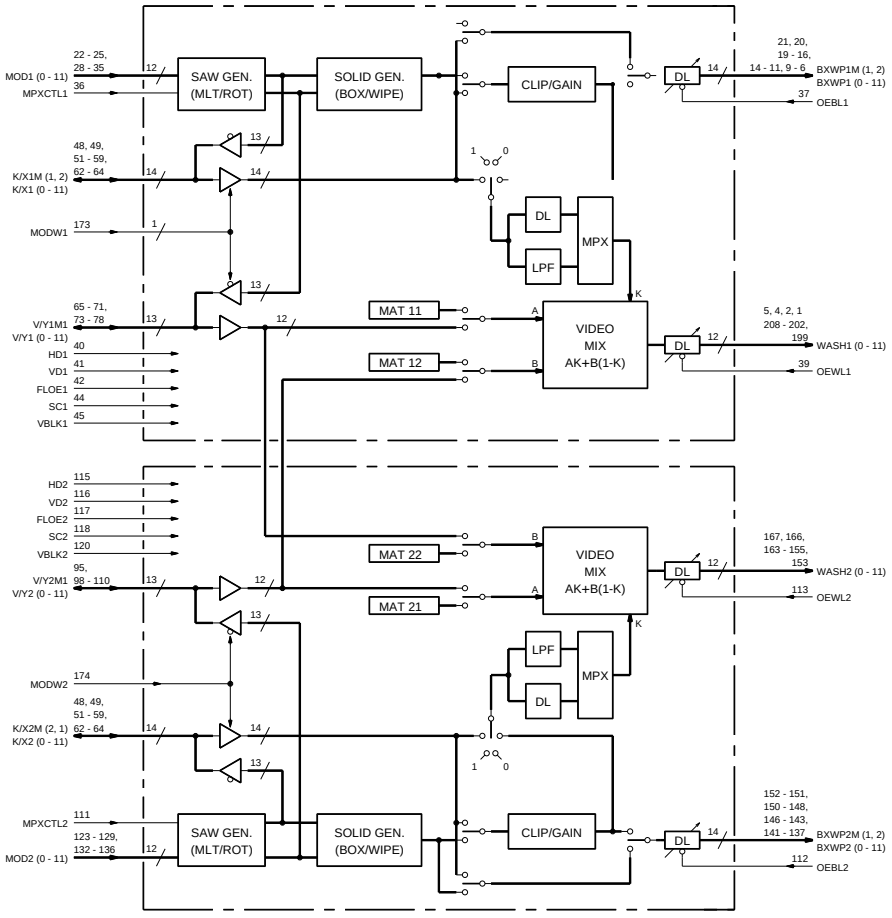
INPUT/OUTPUT

(WASH-CHANNEL-1)

K/X1 (11-M2) ; KEY INPUT/X ADDRESS OUTPUT
(MODW1 : L = KEY INPUT)
V/Y1 (11-M1) ; VIDEO INPUT/Y ADDRESS OUTPUT
(MODW1 : L = VIDEO INPUT)

(WASH-CHANNEL-2)

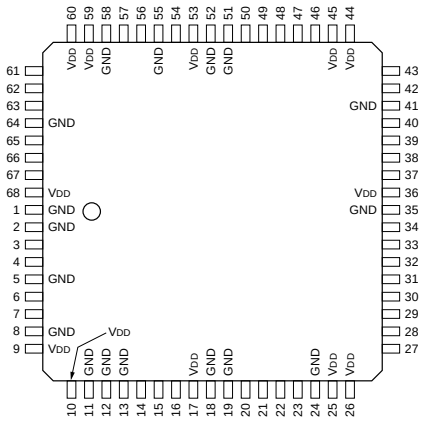
K/X2 (11-M2) ; KEY INPUT/X ADDRESS OUTPUT
(MODW2 : L = KEY INPUT)
V/Y2 (11-M1) ; VIDEO INPUT/Y ADDRESS OUTPUT
(MODW2 : L = VIDEO INPUT)


MOD1 (0 - 11)
MPXCTL1
22 - 25, 28 - 35, 36
SAW GEN. (MLT/ROT)
SOLID GEN. (BOX/WIPE)
CLIP/GAIN
DL
21, 20, 19 - 16, 14 - 11, 9 - 6
BXWP1M (1, 2)
BXWP1 (0 - 11)
37
OEBL1
K/X1M (1, 2)
K/X1 (0 - 11)
48, 49, 51 - 59, 62 - 64
MPX
LPF
MODW1
173
MAT 11
MAT 12
VIDEO MIX AK+B(1-K)
V/Y1M1
V/Y1 (0 - 11)
65 - 71, 73 - 78
HD1
VD1
FLOE1
SC1
VBLK1
40
41
42
44
45
5, 4, 2, 1 208 - 202, 199
WASH1 (0 - 11)
39
OEWL1
HD2
VD2
FLOE2
SC2
VBLK2
115
116
117
118
120
MAT 22
MAT 21
V/Y2M1
V/Y2 (0 - 11)
95, 98 - 110
167, 166, 163 - 155, 153
WASH2 (0 - 11)
113
OEWL2
MODW2
174
K/X2M (2, 1)
K/X2 (0 - 11)
MPXCTL2
111
MOD2 (0 - 11)
123 - 129, 132 - 136
152 - 151, 150 - 148, 146 - 143, 141 - 137
BXWP2M (1, 2)
BXWP2 (0 - 11)
112
OEBL2

CXD8899J (SONY)

I/O PROCESSOR

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	GND	18	—	GND	35	—	GND	52	—	GND
2	—	GND	19	—	GND	36	—	VDD	53	—	VDD
3	O	DO6	20	O	TSTFM	37	I	DI2	54	I	FMCK
4	O	DO7	21	O	TSTH	38	I	DI1	55	—	GND
5	—	GND	22	O	TSTV	39	I	DI0	56	O	TSTOUT
6	O	DO8	23	I	$\overline{RSW}$	40	I	CKP	57	I	$\overline{OE}$
7	O	DO9	24	—	GND	41	—	GND	58	—	GND
8	—	GND	25	—	VDD	42	I	CKX	59	—	VDD
9	—	VDD	26	—	VDD	43	I	CKD	60	—	VDD
10	—	VDD	27	I	DI9	44	—	VDD	61	O	DO0
11	—	GND	28	I	DI8	45	—	VDD	62	O	DO1
12	—	GND	29	I	DI7	46	I	SMPL	63	O	DO2
13	—	GND	30	I	DI6	47	I	ADR	64	—	GND
14	I	TNEN	31	I	DI5	48	I	$\overline{CS}$	65	O	DO3
15	I	LTST	32	I	DI4	49	I/O	DIO	66	O	DO4
16	O	TSTERR	33	I	DI3	50	I	$\overline{RST}$	67	O	DO5
17	—	VDD	34	I	CKI	51	—	GND	68	—	VDD

INPUT

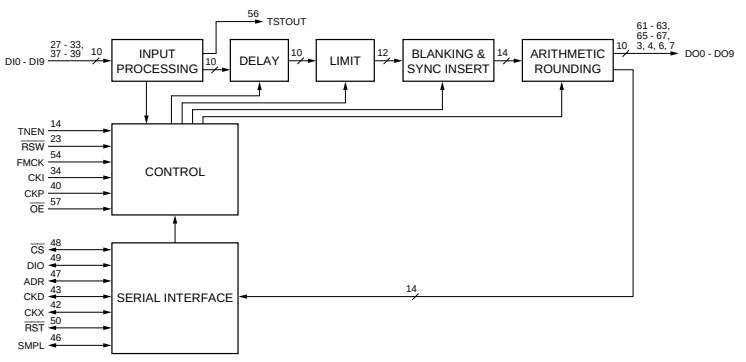
ADR : ADDRESS
CKD : CLOCK
CKI : 75 MHz TTL INPUT CLOCK
CKP : 75 MHz TTL OUTPUT CLOCK
$\overline{CKX}$: LATCH UPDATE PULSE
$\overline{CS}$: CHIP SELECT
DI0 - DI9 : 10-BIT TTL VIDEO WITH DIGITAL SYNC
FMCK : FRAME CLOCK
LTST : LOAD TEST
$\overline{OE}$: DO BUS OUTPUT ENABLE
$\overline{RST}$: RESET
$\overline{RSW}$: FIFO RESET WRITE
SMPL : OUTPUT SMPLE
TNEN : PARAMETRIC TEST

OUTPUT

DO0 - DO9 : 10-BIT TTL VIDEO
TSTERR : SYNC ERROR FLAG
TSTFM : DELAYED FRAME RESET PULSE
TSTH : EXTRACTED HORIZONTAL SYNC
TSTOUT : PARAMETRIC TEST
TSTV : EXTRACTED VERTICAL (V/F) SYNC

INPUT/OUTPUT

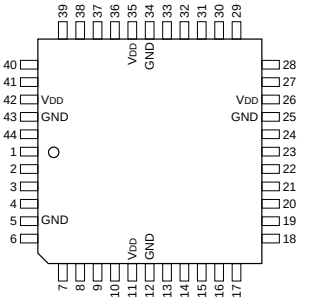
DIO : BI-DIRECTIONAL DATA



CXD8900J (SONY)

C-MOS HIPS

—TOP VIEW—



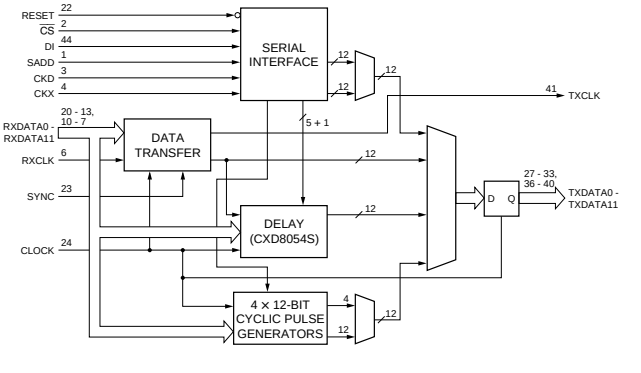
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	SADD	12	—	GND	23	I	SYNC	34	—	GND
2	I	$\overline{CS}$	13	I	RXDATA7	24	I	CLOCK	35	—	VDD
3	I	CKD	14	I	RXDATA6	25	—	GND	36	O	TXDATA7
4	I	CKX	15	I	RXDATA5	26	—	VDD	37	O	TXDATA8
5	—	GND	16	I	RXDATA4	27	O	TXDATA0	38	O	TXDATA9
6	I	RXCLK	17	I	RXDATA3	28	O	TXDATA1	39	O	TXDATA10
7	I	RXDATA11	18	I	RXDATA2	29	O	TXDATA2	40	O	TXDATA11
8	I	RXDATA10	19	I	RXDATA1	30	O	TXDATA3	41	O	TXCLK
9	I	RXDATA9	20	I	RXDATA0	31	O	TXDATA4	42	—	VDD
10	I	RXDATA8	21	O	PO	32	O	TXDATA5	43	—	GND
11	—	VDD	22	I	$\overline{RESET}$	33	O	TXDATA6	44	I	DI

INPUT

CKD : SERIAL INTERFACE DATA CLOCK
CKX : REGISTER ENABLE CLOCK
CLOCK : SYSTEM CLOCK
CS : CHIP SELECT FOR SERIAL INTERFACE, ACTIVE LOW
DI : SERIAL DATA INPUT
RESET : ASYNCHRONOUS RESET, ACTIVE LOW
RXCLK : RECEIVE CLOCK, 37.5 MHz
RXDATA0 : DATA BIT 0/CYCLIC PULSE GENERATOR 1 LOAD
RXDATA1 : DATA BIT 1/CYCLIC PULSE GENERATOR 1 ENABLE
RXDATA2 : DATA BIT 2
RXDATA3 : DATA BIT 3/CYCLIC PULSE GENERATOR 2 LOAD
RXDATA4 : DATA BIT 4/CYCLIC PULSE GENERATOR 2 ENABLE
RXDATA5 : DATA BIT 5
RXDATA6 : DATA BIT 6/CYCLIC PULSE GENERATOR 3 LOAD
RXDATA7 : DATA BIT 7/CYCLIC PULSE GENERATOR 3 ENABLE
RXDATA8 : DATA BIT 8
RXDATA9 : DATA BIT 9/CYCLIC PULSE GENERATOR 4 LOAD
RXDATA10 : DATA BIT 10/CYCLIC PULSE GENERATOR 4 ENABLE
RXDATA11 : DATA BIT 11
SADD : SERIAL ADDRESS BUS
SYNC : FRAME SYNC

OUTPUT

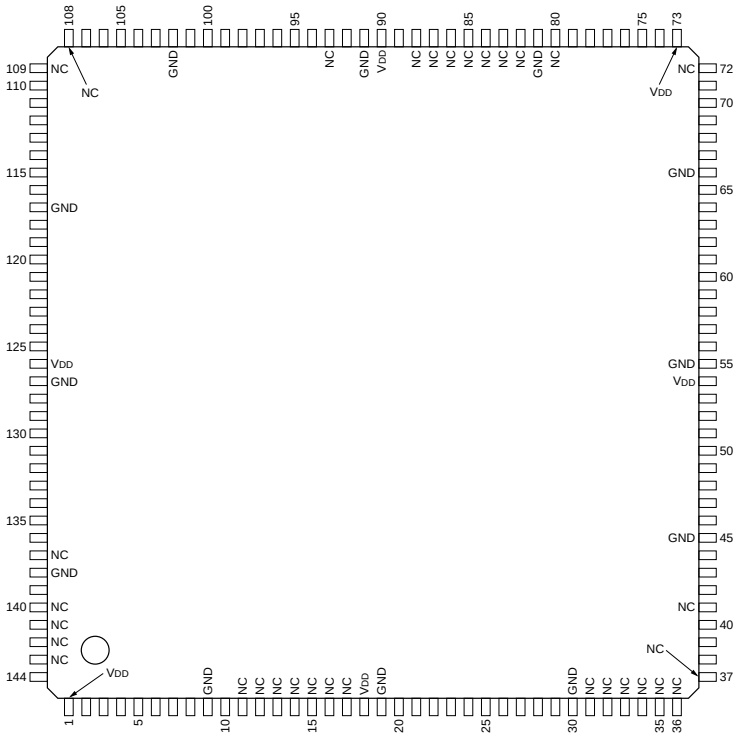
TXCLK : TRANSMIT CLOCK, 37.5 MHz
TXDATA0 : OUTPUT DATA BIT 0
TXDATA1 : OUTPUT DATA BIT 1
TXDATA2 : OUTPUT DATA BIT 2/CYCLIC PULSE GENERATOR 1 PULSE
TXDATA3 : OUTPUT DATA BIT 3
TXDATA4 : OUTPUT DATA BIT 4
TXDATA5 : OUTPUT DATA BIT 5/CYCLIC PULSE GENERATOR 2 PULSE
TXDATA6 : OUTPUT DATA BIT 6
TXDATA7 : OUTPUT DATA BIT 7
TXDATA8 : OUTPUT DATA BIT 8/CYCLIC PULSE GENERATOR 3 PULSE
TXDATA9 : OUTPUT DATA BIT 9
TXDATA10 : OUTPUT DATA BIT 10
TXDATA11 : OUTPUT DATA BIT 11/CYCLIC PULSE GENERATOR 4 PULSE
PO : PARAMETRIC OUTPUT FOR TEST, NOT CONNECTED



CXD9000CR (SONY)

C-MOS HD-SDI COPROCESSOR

—TOP VIEW—

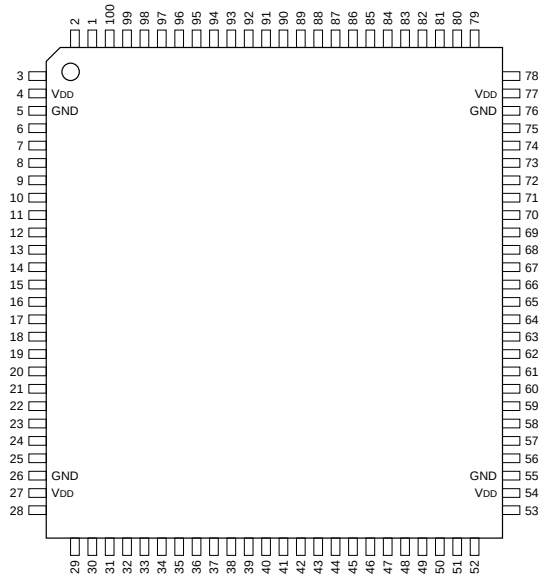


PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	37	—	NC	73	—	VDD	109	—	NC
2	I	IP AUDA12	38	O	OP AUEFLG	74	O	OP MYFLG1	110	I	IP YDATA0
3	I	IP AUDA34	39	O	OP YADFLG	75	O	OP MYFLG2	111	I	IP YDATA1
4	I	IP AUDA56	40	O	OP CADFLG	76	O	OP MYFLG3	112	I	IP YDATA2
5	I	IP AUDA78	41	—	NC	77	O	OP MYFLG4	113	I	IP YDATA3
6	I	IP CKAUA	42	O	OP CK74	78	O	OP MYFLG5	114	I	IP YDATA4
7	I	IP FSA	43	O	OP EXTV	79	I	IP RESET	115	I	IP YDATA5
8	I	IP CKAUB	44	O	OP EXTH	80	—	NC	116	I	IP YDATA6
9	—	GND	45	—	GND	81	—	GND	117	—	GND
10	I	IP FSB	46	O	OP EXTF	82	—	NC	118	I	IP YDATA7
11	—	NC	47	O	OP CDATA10	83	—	NC	119	I	IP YDATA8
12	—	NC	48	O	OP CDATA9	84	—	NC	120	I	IP YDATA9
13	—	NC	49	O	OP CDATA8	85	—	NC	121	I	IP YDATA10
14	—	NC	50	O	OP CDATA7	86	—	NC	122	I	IP CDATA0
15	—	NC	51	O	OP CDATA6	87	—	NC	123	I	IP CDATA1
16	—	NC	52	O	OP CDATA5	88	—	NC	124	I	IP CDATA2
17	—	NC	53	O	OP CDATA4	89	O	OP SYRW	125	I	IP CDATA3
18	—	VDD	54	—	VDD	90	—	VDD	126	—	VDD
19	—	GND	55	—	GND	91	—	GND	127	—	GND
20	O	OP AUCKPH1	56	O	OP CDATA3	92	I	IP SYRW	128	I	IP CDATA4
21	O	OP AUCKPH2	57	O	OP CDATA2	93	—	NC	129	I	IP CDATA5
22	O	OP AUEFLG12	58	O	OP CDATA1	94	I	IP XMM	130	I	IP CDATA6
23	O	OP AUEFLG34	59	O	OP CDATA0	95	I	IP SYCS	131	I	IP CDATA7
24	O	OP AUEFLG56	60	O	OP YDATA10	96	I	IP SYCK	132	I	IP CDATA8
25	O	OP AUEFLG78	61	O	OP YDATA9	97	I	IP SYSTA1	133	I	IP CDATA9
26	O	OP AUDA12	62	O	OP YDATA8	98	I	IP SYSTA0	134	I	IP CDATA10
27	O	OP AUDA34	63	O	OP YDATA7	99	I/O	BP SYIF7	135	I	IP EXTF
28	O	OP AUDA56	64	O	OP YDATA6	100	I/O	BP SYIF6	136	I	IP EXTH
29	O	OP AUDA78	65	O	OP YDATA5	101	I/O	BP SYIF5	137	—	NC
30	—	GND	66	—	GND	102	—	GND	138	—	GND
31	—	NC	67	O	OP YDATA4	103	I/O	BP SYIF4	139	I	IP CK74
32	—	NC	68	O	OP YDATA3	104	I/O	BP SYIF3	140	—	NC
33	—	NC	69	O	OP YDATA2	105	I/O	BP SYIF2	141	—	NC
34	—	NC	70	O	OP YDATA1	106	I/O	BP SYIF1	142	—	NC
35	—	NC	71	O	OP YDATA0	107	I/O	BP SYIF0	143	—	NC
36	—	NC	72	—	NC	108	—	NC	144	O	OP ERR

CXD9024Q (SONY)

C-MOS DIGITAL FILTER

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	EI5	26	—	GND	51	O	EO8	76	—	GND
2	I	EI4	27	—	VDD	52	O	EO9	77	—	VDD
3	I	EI3	28	I	DI9	53	O	EO10	78	I	$\overline{OE}$
4	—	VDD	29	I	DI8	54	—	VDD	79	I	CK
5	—	GND	30	I	DI7	55	—	GND	80	O	DO5
6	I	EI2	31	I	DI6	56	O	EO11	81	O	DO6
7	I	EI1	32	I	DI5	57	O	SO0	82	O	DO7
8	I	EI0	33	I	DI4	58	O	SO1	83	O	DO8
9	I	SI13	34	I	DI3	59	O	SO2	84	O	DO9
10	I	SI12	35	I	DI2	60	O	SO3	85	O	DO10
11	I	SI11	36	I	DI1	61	O	SO4	86	O	DO11
12	I	SI10	37	I	DI0	62	O	SO5	87	O	PO
13	I	SI9	38	I	CKXI	63	O	SO6	88	O	CKXO
14	I	SI8	39	O	DATA	64	O	SO7	89	I	MOD1
15	I	SI7	40	I	CKD	65	O	SO8	90	I	MOD0
16	I	SI6	41	I	$\overline{CS}$	66	O	SO9	91	I	HD
17	I	SI5	42	I	OB2S	67	O	SO10	92	I	MYSTERY
18	I	SI4	43	O	EO0	68	O	SO11	93	I	LM1
19	I	SI3	44	O	EO1	69	O	SO12	94	I	LM0
20	I	SI2	45	O	EO2	70	O	SO13	95	I	EI11
21	I	SI1	46	O	EO3	71	O	DO0	96	I	EI10
22	I	SI0	47	O	EO4	72	O	DO1	97	I	EI9
23	I	RND	48	O	EO5	73	O	DO2	98	I	EI8
24	I	DI11	49	O	EO6	74	O	DO3	99	I	EI7
25	I	DI10	50	O	EO7	75	O	DO4	100	I	EI6

INPUT

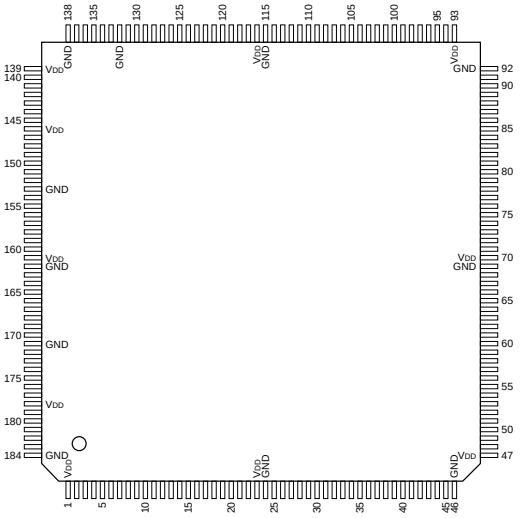
CK : DEVICE CLOCK - MAX 28.6 MHz
CKD : SERIAL INTERFACE DATA CLOCK
CKXI : SERIAL INTERFACE LATCH CLOCK
$\overline{CS}$: SERIAL INTERFACE CHIP SELECT
DI0 - DI11 : VIDEO DATA
DIO : SERIAL INTERFACE DATA
EI0 - EI11 : EXPANSION DATA
HD : SYNC
LM0, LM1 : LIMITER CONTROL
MOD0, MOD1 : FILTER MODE CONTROL
MYSTERY : CXD8055 EMULATION CONTROL
OB2S : NUMBER FORMAT
$\overline{OE}$: TRISTATE CONTROL FOR OUTPUT
RND : PARTIAL SUM ROUNDING BIT
SI0 - SI13 : FILTER PARTIAL SUM

OUTPUT

CKXO : LATCH CLOCK EXPANSION
DATA : DATA
DO0 - DO11 : OUTPUT BUFFERS
EO0 - EO11 : EXPANSION BUS
PO : PARAMETRIC OUTPUT - DEVICE TEST ONLY
SO0 - SO13 : TRISTATE FILTER SUM

CXD9022R (SONY)

C-MOS MIX/EFFECT
—TOP VIEW—



INPUT

BGA 0 - BGA 11	: BACKGROUND A VIDEO
BGB 0 - BGB 11	: BACKGROUND B VIDEO
BDR 0 - BDR 11	: WIPE BORDER FILL VIDEO
BLANK	: BLANKING CONTROL
CLK	: CLOCK
HD	: HORIZONTAL SYNC
KF1 0 - KF1 11	: KEY 1 FILL VIDEO
KF2 0 - KF2 11	: KEY 2 FILL VIDEO
KYSR1 0 - KYSR1 12	: KEY 1 SOURCE RANGE
KYSR2 0 - KYSR2 12	: KEY 2 SOURCE RANGE
NAMI	: NAM CONTROL
RST	: RESET
TRNS1 0 - TRNS1 12	: OUTER WIPE TRANSITION RANGE
TRNS2 0 - TRNS2 12	: INNER WIPE TRANSITION RANGE

OUTPUT

BLANKO	: DELAYED BLANKING CONTROL
NAMO	: NAM CONTROL
PGM 0 - PGM 11	: PROGRAM VIDEO
PRK 0 - PRK 11	: PROCESSED KEY
PVW - PVW 11	: PREVIEW VIDEO
TSTOUT	: (FOR TEST)

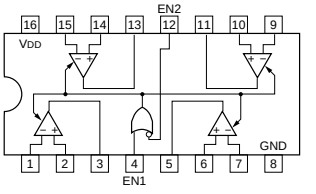
INPUT/OUTPUT

ADR	: ADDRESS
CKD	: SIF CLOCK
CKX	: SIF REGISTER UPDATE PULSE
$\overline{CS}$	: SIF CHIP SELECT
DIO	: DATA
SAMP	: OUTPUT CAPTURE TO SERIAL INTERFACE

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VDD	47	—	VDD	93	—	VDD	139	—	VDD
2	I	TRNS1 5	48	I	KYSR2 7	94	I	BGB 5	140	O	PRK 8
3	I	TRNS1 6	49	I	KYSR2 8	95	I	BGB 6	141	O	PRK 9
4	I	TRNS1 7	50	I	KYSR2 9	96	I	BGB 7	142	O	PRK 10
5	I	TRNS1 8	51	I	KYSR2 10	97	I	BGB 8	143	O	PRK 11
6	I	TRNS1 9	52	I	KYSR2 11	98	I	BGB 9	144	O	PGM 0
7	I	TRNS1 10	53	I	KYSR2 12	99	I	BGB 10	145	O	PGM 1
8	I	TRNS1 11	54	I/O	SAMP	100	I	BGB 11	146	—	VDD
9	I	TRNS1 12	55	I/O	CKD	101	I	KF1 0	147	O	PGM 2
10	I	TRNS2 0	56	I/O	$\overline{CS}$	102	I	KF1 1	148	O	PGM 3
11	I	TRNS2 1	57	I/O	DIO	103	I	KF1 2	149	O	PGM 4
12	I	TRNS2 2	58	I/O	CKX	104	I	KF1 3	150	O	PGM 5
13	I	TRNS2 3	59	I/O	ADR	105	I	KF1 4	151	O	PGM 6
14	I	TRNS2 4	60	I	RST	106	I	KF1 5	152	O	PGM 7
15	I	TRNS2 5	61	I	BDR 0	107	I	KF1 6	153	—	GND
16	I	TRNS2 6	62	I	BDR 1	108	I	KF1 7	154	O	PGM 8
17	I	TRNS2 7	63	I	BDR 2	109	I	KF1 8	155	O	PGM 9
18	I	TRNS2 8	64	I	BDR 3	110	I	KF1 9	156	O	PGM 10
19	I	TRNS2 9	65	I	BDR 4	111	I	KF1 10	157	O	PGM 11
20	I	TRNS2 10	66	I	BDR 5	112	I	KF1 11	158	O	NAMO
21	I	TRNS2 11	67	I	BDR 6	113	I	KF2 0	159	O	BLANKO
22	I	TRNS2 12	68	I	BDR 7	114	I	KF2 1	160		TNEN
23	—	VDD	69	—	GND	115	—	GND	161	—	VDD
24	—	GND	70	—	VDD	116	—	VDD	162	—	GND
25	I	CLK	71	I	BDR 8	117	I	KF2 2	163	I	BLANK
26	I	KYSR1 0	72	I	BDR 9	118	I	KF2 3	164	I	HD
27	I	KYSR1 1	73	I	BDR 10	119	I	KF2 4	165	O	PVW 0
28	I	KYSR1 2	74	I	BDR 11	120	I	KF2 5	166	O	PVW 1
29	I	KYSR1 3	75	I	BGA 0	121	I	KF2 6	167	O	PVW 2
30	I	KYSR1 4	76	I	BGA 1	122	I	KF2 7	168	O	PVW 3
31	I	KYSR1 5	77	I	BGA 2	123	I	KF2 8	169	O	PVW 4
32	I	KYSR1 6	78	I	BGA 3	124	I	KF2 9	170	O	PVW 5
33	I	KYSR1 7	79	I	BGA 4	125	I	KF2 10	171	—	GND
34	I	KYSR1 8	80	I	BGA 5	126	I	KF2 11	172	O	PVW 6
35	I	KYSR1 9	81	I	BGA 6	127	I	NAMI	173	O	PVW 7
36	I	KYSR1 10	82	I	BGA 7	128	O	PRK 0	174	O	PVW 8
37	I	KYSR1 11	83	I	BGA 8	129	O	PRK 1	175	O	PVW 9
38	I	KYSR1 12	84	I	BGA 9	130	O	PRK 2	176	O	PVW 10
39	I	KYSR2 0	85	I	BGA 10	131	O	PRK 3	177	O	PVW 11
40	I	KYSR2 1	86	I	BGA 11	132	—	GND	178	—	VDD
41	I	KYSR2 2	87	I	BGB 0	133	O	PRK 4	179	I	TRNS1 0
42	I	KYSR2 3	88	I	BGB 1	134	O	PRK 5	180	I	TRNS1 1
43	I	KYSR2 4	89	I	BGB 2	135	O	PRK 6	181	I	TRNS1 2
44	I	KYSR2 5	90	I	BGB 3	136	O	PRK 7	182	I	TRNS1 3
45	I	KYSR2 6	91	I	BGB 4	137	O	TSTOUT	183	I	TRNS1 4
46	—	GND	92	—	GND	138	—	GND	184	—	GND

DS26C32ATM (NS)FLAT PACKAGE
DS26C32ATMX

C-MOS QUAD DIFFERENTIAL LINE RECEIVER
—TOP VIEW—



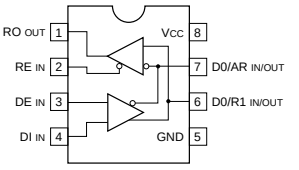
FUNCTION TABLE

EN2	EN1	OUTPUT
0	0	ENABLE
0	1	ENABLE
1	0	HI-Z
1	1	ENABLE

0 ; LOW LEVEL
1 ; HIGH LEVEL
HI-Z ; HIGH IMPEDANCE

DS3695ATM (NS)FLAT PACKAGE
DS3695ATMX

DIFFERENTIAL INPUT/OUTPUT LINE TRANSCEIVER
—TOP VIEW—

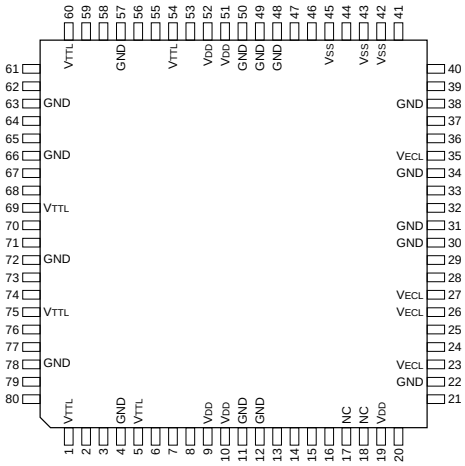


http://getMANUAL.com

CXG8003Q (SONY)

1.5 Gbps OPTICAL INTERFACE TRANSMITTER

—TOP VIEW—



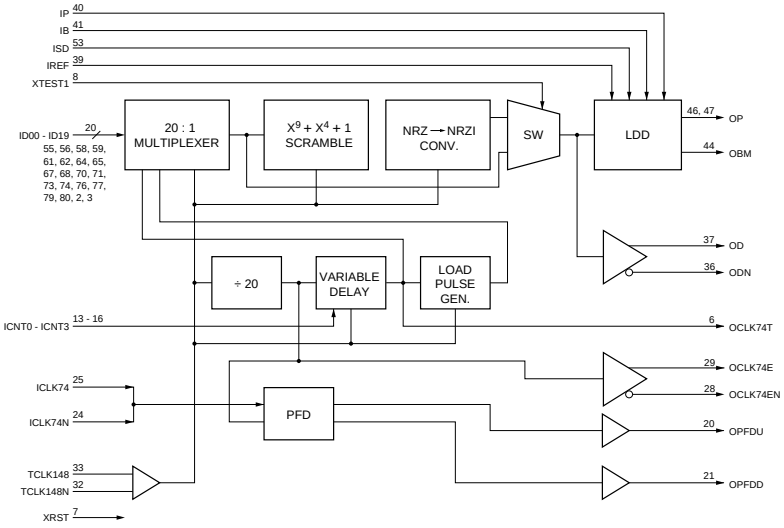
INPUT

IB	:	LD DRIVER BIAS CURRENT CONTROL
ICLK74	:	PLL REFERENCE CLOCK (74.25 MHz)
ICLK74N	:	INVERTED PLL REFERENCE CLOCK (74.25 MHz)
ICNT0 - ICNT3	:	PARALLEL CLOCK DELAY CONTROL
ID00 - ID19	:	20 BITS PARALLEL SIGNAL
IP	:	LD DRIVER PEAK CURRENT CONTROL
IREF	:	LD DRIVER DUTY CONTROL
ISD	:	LD DRIVER OUTPUT CONTROL
TCLK148	:	EXTERNAL CLOCK (1.485 GHz)
TCLK148N	:	INVERTED EXTERNAL CLOCK (1.485 GHz)
XRST	:	RESET
XTEST1	:	SCRAMBLE/NRZ TO NRZI CONVERSION CONTROL

OUTPUT

OBM	:	LD DRIVER BIAS CURRENT MONITOR
OCLK74E	:	74.25 MHz PARALLEL CLOCK (ECL LEVEL)
OCLK74EN	:	INVERTED 74.25 MHz PARALLEL CLOCK (ECL LEVEL)
OCLK74T	:	74.25 MHz PARALLEL CLOCK (LVTTL LEVEL)
OD	:	1.485 Gbps SERIAL DATA
ODN	:	INVERTED 1.485 Gbps SERIAL DATA
OP	:	LD DRIVER PEAK CURRENT
OPFDD	:	LOWER SIDE OF THE PHASE COMPARATOR (PFD)
OPFDU	:	UPPER SIDE OF THE PHASE COMPARATOR (PFD)

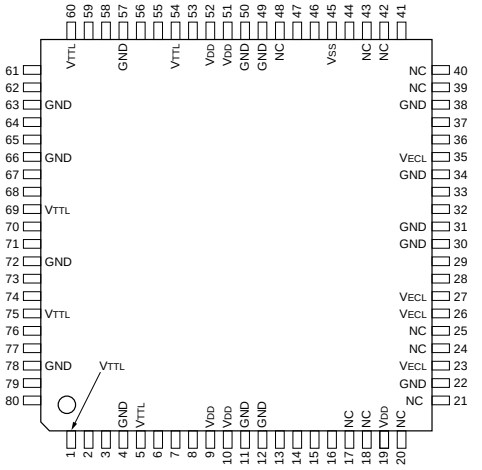
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VTTL	21	O	OPFDD	41	I	IB	61	I	ID04
2	I	ID18	22	—	GND	42	—	VSS	62	I	ID05
3	I	ID19	23	—	VECL	43	—	VSS	63	—	GND
4	—	GND	24	I	ICLK74N	44	O	OBM	64	I	ID06
5	—	VTTL	25	I	ICLK74	45	—	VSS	65	I	ID07
6	O	OCLK74T	26	—	VECL	46	O	OP	66	—	GND
7	I	XRST	27	—	VECL	47	O	OP	67	I	ID08
8	I	XTEST1	28	O	OCLK74EN	48	—	GND	68	I	ID09
9	—	VDD	29	O	OCLK74E	49	—	GND	69	—	VTTL
10	—	VDD	30	—	GND	50	—	GND	70	I	ID10
11	—	GND	31	—	GND	51	—	VDD	71	I	ID11
12	—	GND	32	I	TCLK148N	52	—	VDD	72	—	GND
13	I	ICNT0	33	I	TCLK148	53	I	ISD	73	I	ID12
14	I	ICNT1	34	—	GND	54	—	VTTL	74	I	ID13
15	I	ICNT2	35	—	VECL	55	I	ID00	75	—	VTTL
16	I	ICNT3	36	O	ODN	56	I	ID01	76	I	ID14
17	—	NC	37	O	OD	57	—	GND	77	I	ID15
18	—	NC	38	—	GND	58	I	ID02	78	—	GND
19	—	VDD	39	I	IREF	59	I	ID03	79	I	ID16
20	O	OPFDU	40	I	IP	60	—	VTTL	80	I	ID17



CXG8004Q (SONY)

1.5 Gbps OPTICAL INTERFACE TRANSMITTER

—TOP VIEW—



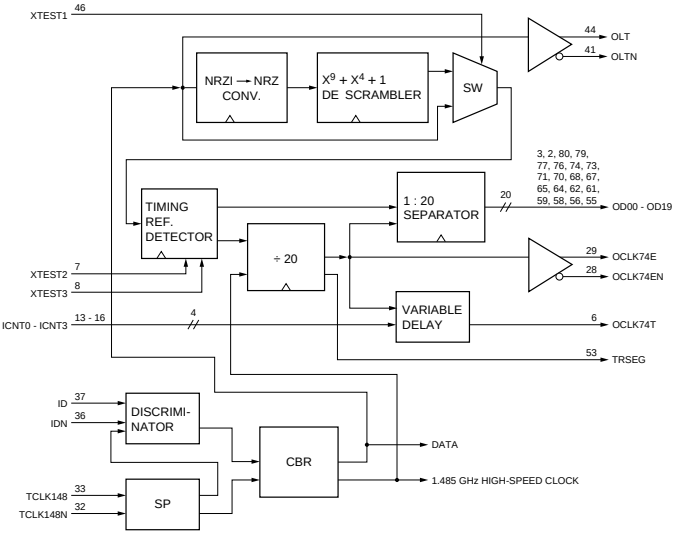
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	VTTL	21	—	NC	41	O	OLTN	61	O	OD15
2	O	OD01	22	—	GND	42	—	NC	62	O	OD14
3	O	OD00	23	—	VECL	43	—	NC	63	—	GND
4	—	GND	24	—	NC	44	O	OLT	64	O	OD13
5	—	VTTL	25	—	NC	45	—	VSS	65	O	OD12
6	O	OCLK74T	26	—	VECL	46	I	XTEST1	66	—	GND
7	I	XTEST2	27	—	VECL	47	I	XRST	67	O	OD11
8	I	XTEST3	28	O	OCLK74EN	48	—	NC	68	O	OD10
9	—	VDD	29	O	OCLK74E	49	—	GND	69	—	VTTL
10	—	VDD	30	—	GND	50	—	GND	70	O	OD09
11	—	GND	31	—	GND	51	—	VDD	71	O	OD08
12	—	GND	32	I	TCLK148N	52	—	VDD	72	—	GND
13	I	ICNT0	33	I	TCLK148	53	O	TRSFG	73	O	OD07
14	I	ICNT1	34	—	GND	54	—	VTTL	74	O	OD06
15	I	ICNT2	35	—	VECL	55	O	OD19	75	—	VTTL
16	I	ICNT3	36	I	IDN	56	O	OD18	76	O	OD05
17	—	NC	37	I	ID	57	—	GND	77	O	OD04
18	—	NC	38	—	GND	58	O	OD17	78	—	GND
19	—	VDD	39	—	NC	59	O	OD16	79	O	OD03
20	—	NC	40	—	NC	60	—	VTTL	80	O	OD02

INPUT

ICNT0 - ICNT3	:	PARALLEL CLOCK DELAY CONTROL
ID	:	1.485 Gbps SERIAL DATA
IDN	:	INVERTED 1.485 Gbps SERIAL DATA
TCLK148	:	EXTERNAL CLOCK (1.485 GHz)
TCLK148N	:	INVERTED EXTERNAL CLOCK (1.485 GHz)
XRST	:	RESET
XTEST1	:	NRZI → NRZ CONVERSION AND DESCRAMBLER CONTROL
XTEST2	:	TRS DETECTOR CONTROL
XTEST3	:	CH/YH FLAG DETECTOR CONTROL

OUTPUT

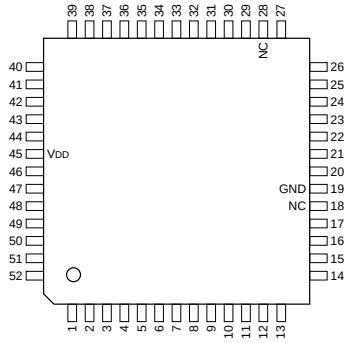
OD00 - OD19	:	20 BITS PARALLEL SIGNAL
OCLK74E	:	74.25 MHz PARALLEL CLOCK (ECL LEVEL)
OCLK74EN	:	INVERTED 74.25 MHz PARALLEL CLOCK (ECL LEVEL)
OCLK74T	:	4.25 MHz PARALLEL CLOCK (LVTTL LEVEL)
OLT	:	RETIMING DATA OF DISCRIMINATOR
OLTN	:	INVERTED DATA OF DISCRIMINATOR
TRSFG	:	TRS DETECTOR



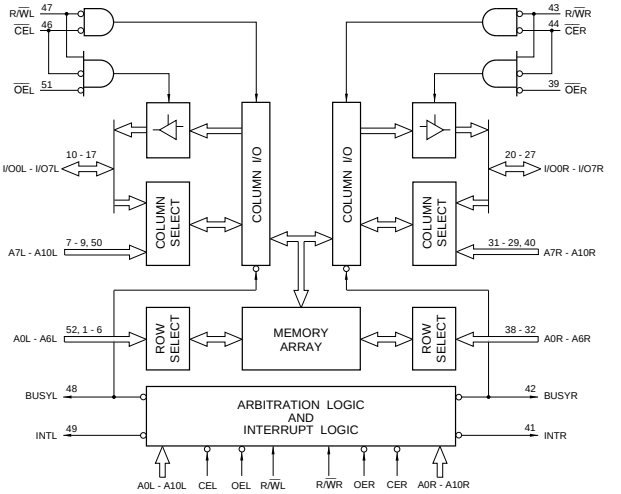
CY7C136-55NC (CYPRESS)

C-MOS 2 K × 8-BIT DUAL-PORT SRAM

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A1L	14	I/O	I/O4L	27	I/O	I/O7R	40	I	A10R
2	I	A2L	15	I/O	I/O5L	28	—	NC	41	O	$\overline{INTR}$
3	I	A3L	16	I/O	I/O6L	29	I	A9R	42	O	$\overline{BUSYR}$
4	I	A4L	17	I/O	I/O7L	30	I	A8R	43	I	R/$\overline{WR}$
5	I	A5L	18	—	NC	31	I	A7R	44	I	$\overline{CER}$
6	I	A6L	19	—	GND	32	I	A6R	45	—	VDD
7	I	A7L	20	I/O	I/O0R	33	I	A5R	46	I	$\overline{CEL}$
8	I	A8L	21	I/O	I/O1R	34	I	A4R	47	I	R/$\overline{WL}$
9	I	A9L	22	I/O	I/O2R	35	I	A3R	48	O	$\overline{BUSYL}$
10	I/O	I/O0L	23	I/O	I/O3R	36	I	A2R	49	O	$\overline{INTL}$
11	I/O	I/O1L	24	I/O	I/O4R	37	I	A1R	50	I	A10L
12	I/O	I/O2L	25	I/O	I/O5R	38	I	A0R	51	I	$\overline{OEL}$
13	I/O	I/O3L	26	I/O	I/O6R	39	I	$\overline{OER}$	52	I	A0L



INPUT

A0L - A10L, A0R - A10R : ADDRESS
$\overline{CEL}$, $\overline{CER}$: CHIP SELECT
$\overline{OEL}$, $\overline{OER}$: OUTPUT ENABLE
R/WL, R/WR : READ/WRITE STROBE

OUTPUT

$\overline{BUSYL}$, $\overline{BUSYR}$: BUSY FLAG
$\overline{INTL}$, $\overline{INTR}$: INTERRUPT FLAG

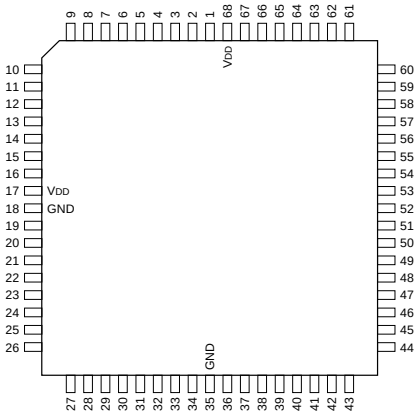
INPUT/OUTPUT

I/O0L - I/O7L, I/O0R - I/O7R : DATA

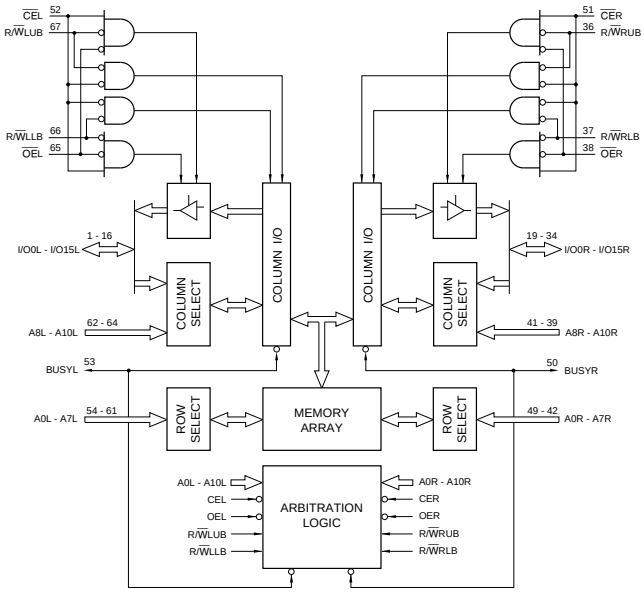
CY7C133-55JC (CYPRESS)

C-MOS 2 K × 16-BIT DUAL-PORT SRAM

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	I/O0L	18	—	GND	35	—	GND	52	I	$\overline{CEL}$
2	I/O	I/O1L	19	I/O	I/O0R	36	I	R/$\overline{W}$RUB	53	O	$\overline{BUSY}$L
3	I/O	I/O2L	20	I/O	I/O1R	37	I	R/$\overline{W}$RLB	54	I	A0L
4	I/O	I/O3L	21	I/O	I/O2R	38	I	$\overline{OER}$	55	I	A1L
5	I/O	I/O4L	22	I/O	I/O3R	39	I	A10R	56	I	A2L
6	I/O	I/O5L	23	I/O	I/O4R	40	I	A9R	57	I	A3L
7	I/O	I/O6L	24	I/O	I/O5R	41	I	A8R	58	I	A4L
8	I/O	I/O7L	25	I/O	I/O6R	42	I	A7R	59	I	A5L
9	I/O	I/O8L	26	I/O	I/O7R	43	I	A6R	60	I	A6L
10	I/O	I/O9L	27	I/O	I/O8R	44	I	A5R	61	I	A7L
11	I/O	I/O10L	28	I/O	I/O9R	45	I	A4R	62	I	A8L
12	I/O	I/O11L	29	I/O	I/O10R	46	I	A3R	63	I	A9L
13	I/O	I/O12L	30	I/O	I/O11R	47	I	A2R	64	I	A10L
14	I/O	I/O13L	31	I/O	I/O12R	48	I	A1R	65	I	$\overline{OEL}$
15	I/O	I/O14L	32	I/O	I/O13R	49	I	A0R	66	I	R/$\overline{W}$LLB
16	I/O	I/O15L	33	I/O	I/O14R	50	O	$\overline{BUSY}$R	67	I	R/$\overline{W}$LUB
17	—	VDD	34	I/O	I/O15R	51	I	$\overline{CER}$	68	—	VDD



INPUT

A0L - A10L A0R - A10R	}	: ADDRESS
$\overline{CEL}$, $\overline{CER}$		: CHIP SELECT
$\overline{OEL}$, $\overline{OER}$		: OUTPUT ENABLE
R/$\overline{W}$LUB, R/$\overline{W}$LLB R/$\overline{W}$RUB, R/$\overline{W}$RLB	}	: READ/WRITE STROBE

OUTPUT

$\overline{BUSY}$L, $\overline{BUSY}$R		: BUSY FLAG
$\overline{INT}$L, $\overline{INT}$R		: INTERRUPT FLAG

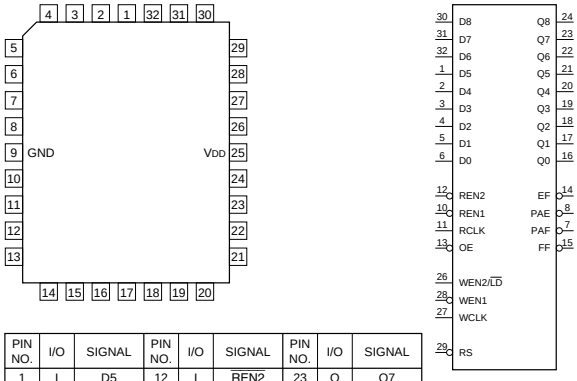
INPUT/OUTPUT

I/O0L - I/O7L I/O0R - I/O7R	}	: DATA

CY7C4221-25AC (CYPRESS)

C-MOS 1 K × 9-BIT SYNCHRONOUS FIFO

—TOP VIEW—



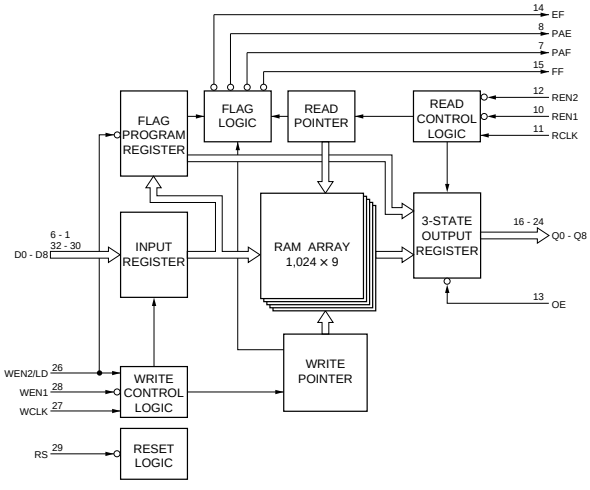
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	D5	12	I	$\overline{REN2}$	23	O	Q7
2	I	D4	13	I	$\overline{OE}$	24	O	Q8
3	I	D3	14	O	$\overline{EF}$	25	—	VDD
4	I	D2	15	O	$\overline{FF}$	26	I	WEN2/$\overline{LD}$
5	I	D1	16	O	Q0	27	I	WCLK
6	I	D0	17	O	Q1	28	I	$\overline{WEN1}$
7	O	$\overline{PAF}$	18	O	Q2	29	I	$\overline{RS}$
8	O	$\overline{PAE}$	19	O	Q3	30	I	D8
9	—	GND	20	O	Q4	31	I	D7
10	I	$\overline{REN1}$	21	O	Q5	32	I	D6
11	I	RCLK	22	O	Q6			

INPUT

D0 - D8	:	DATA INPUTS
$\overline{OE}$	:	OUTPUT ENABLE
RCLK	:	READ CLOCK
$\overline{REN1}$, $\overline{REN2}$	:	READ ENABLE 1, 2
$\overline{RS}$	:	RESET
WCLK	:	WRITE CLOCK
$\overline{WEN1}$	:	WRITE ENABLE 1
WEN2/$\overline{LD}$	:	WRITE ENABLE 2/LOAD

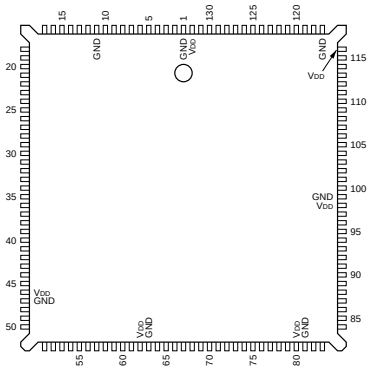
OUTPUT

$\overline{EF}$	:	EMPTY FLAG
$\overline{FF}$	:	FULL FLAG
$\overline{PAE}$	:	PROGRAMMABLE ALMOST EMPTY
$\overline{PAF}$	:	PROGRAMMABLE ALMOST FULL
Q0 - Q8	:	DATA OUTPUTS



DP83932CVF-33 (NS)

C-MOS SYSTEMS-ORIENTED NETWORK INTERFACE CONTROLLER (SONIC)
—TOP VIEW—



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	—	GND	34	I	BSCK	67	O	A21	100	I/O	D23
2	—	ANGND	35	I	BMODE	68	O	A20	101	I/O	D22
3	I/O	X1	36	I	$\overline{MREQ}$	69	O	A19	102	I/O	D21
4	I	X2	37	I	$\overline{CS}$	70	O	A18	103	I/O	D20
5	I	EXT	38	I	$\overline{SAS}$	71	O	A17	104	I/O	D19
6	I	$\overline{PREJ}$	39	I	$\overline{SDS}$	72	O	A16	105	I/O	D18
7	I,O	COLI/COLO	40	O	$\overline{SMACK}$	73	O	A15	106	I/O	D17
8	I,O	RXDI/RXDO/EXUSR0	41	I/O	DSACK1/$\overline{RDYO}$	74	O	A14	107	I/O	D16
9	I,O	RXCI/RXCO/EXUSR1	42	I/O	DSACK0/$\overline{RDYI}$	75	O	A13	108	I/O	D15
10	I,O	CRSI/CRSO	43	O	$\overline{BGACK}$	76	O	A12	109	I/O	D14
11	—	GND	44	O	$\overline{BR}$/HOLD	77	O	A11	110	I/O	D13
12	I,O	TXCI/TXCO/$\overline{STERM}$	45	O	$\overline{INT}$/INT	78	O	A10	111	I/O	D12
13	O	LBK/EXUSR2	46	—	VDD	79	O	A9	112	I/O	D11
14	O	TXD/EXUSR3	47	—	GND	80	—	VDD	113	I/O	D10
15	O	TXE	48	O	S2	81	—	GND	114	I/O	D9
16	O	TX–	49	O	S1	82	O	A8	115	I/O	D8
17	O	TX+	50	O	S0	83	O	A7	116	—	VDD
18	—	TXGND	51	O	MR$\overline{W}$/MW$\overline{R}$	84	O	A6	117	—	GND
19	—	TXVDD	52	O	$\overline{DS}$	85	O	A5	118	I/O	D7
20	—	PLLVDD	53	O	$\overline{ECS}$	86	O	A4	119	I/O	D6
21	—	RXVDD	54	O	$\overline{AS}$/$\overline{ADS}$	87	O	A3	120	I/O	D5
22	I	RX–	55	O	A31	88	O	A2	121	I/O	D4
23	I	RX+	56	O	A30	89	O	A1	122	I/O	D3
24	I	CD–	57	O	A29	90	I/O	D31	123	I/O	D2
25	I	CD+	58	O	A28	91	I/O	D30	124	I/O	D1
26	O	$\overline{PCOMP}$	59	O	A27	92	I/O	D29	125	I/O	D0
27	I	SEL	60	O	A26	93	I/O	D28	126	I	RA5
28	I	$\overline{BRT}$	61	O	A25	94	I/O	D27	127	I	RA4
29	I	$\overline{RESET}$	62	—	VDD	95	I/O	D26	128	I	RA3
30	I	SR$\overline{W}$/SW$\overline{R}$	63	—	GND	96	I/O	D25	129	I	RA2
31	I/O	USR1	64	O	A24	97	I/O	D24	130	I	RA1
32	I/O	USR0	65	O	A23	98	—	VDD	131	I	RA0
33	I	HLDA/$\overline{BG}$	66	O	A22	99	—	GND	132	—	VDD

INPUT

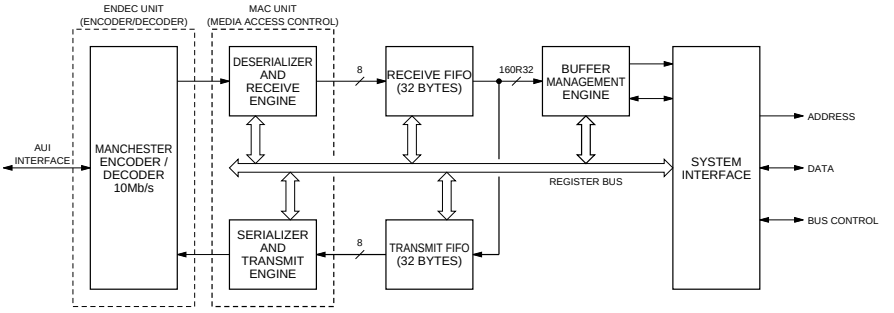
$\overline{BG}$: BUS GRANT (BMODE = 1)
$\overline{BMODE}$: BUS MODE
$\overline{BRT}$: BUS RETRY
BSCK : BUS CLOCK
CD (+, –) : COLLISION (+, –) (EXT = 1)
COLI : COLLISION DETECT INPUT (EXT = 1)
$\overline{CRSI}$: CARRIER SENSE INPUT (EXT = 1)
$\overline{CS}$: CHIP SELECT
EXT : EXTERNAL ENDEC SELECT
HLDA : HOLD ACKNOWLEDGE (BMODE = 0)
$\overline{MREQ}$: MEMORY REQUEST
$\overline{PREJ}$: PACKET REJECT
RA0 - RA5 : REGISTER ADDRESS BUS
$\overline{RDYI}$: READY INPUT (BMODE = 0)
$\overline{RESET}$: RESET
RXCI : RECEIVE CLOCK INPUT (EXT = 1)
RXDI : RECEIVE DATA INPUT (EXT = 1)
RX (+, –) : RECEIVE (+, –) (EXT = 1)
$\overline{SAS}$: SLAVE ADDRESS STROBE
$\overline{SDS}$: SLAVE DATA STROBE
SEL : MODE SELECT (EXT = 0)
$\overline{SRW}$: SLAVE READ/WRITE STROBE (BMODE = 1)
$\overline{STERM}$: SYNCHRONOUS TERMINATION (BMODE = 1)
$\overline{SWR}$: SLAVE READ/WRITE STROBE (BMODE = 0)
TXCI : TRANSMIT CLOCK INPUT (EXT = 1)
X2 : CRYSTAL FEEDBACK INPUT

OUTPUT

A1 - A31 : ADDRESS BUS
$\overline{ADS}$: ADDRESS STROBE (BMODE = 0)
$\overline{AS}$: ADDRESS STROBE (BMODE = 1)
$\overline{BGACK}$: BUS GRANT ACKNOWLEDGE (BMODE = 1)
$\overline{BR}$: BUS REQUEST (BMODE = 1)
COLO : COLLISION OUTPUT (EXT = 0)
CRSO : CARRIER SENSE OUTPUT (EXT = 1)
$\overline{DS}$: DATA STROBE
$\overline{ECS}$: EARLY CYCLE START
HOLD : HOLD REQUEST (BMODE = 0)
INT : INTERRUPT (BMODE = 0)
$\overline{INT}$: INTERRUPT (BMODE = 1)
LBK : LOOPBACK
$\overline{MRW}$: MEMORY READ / WRITE STROBE (BMODE = 1)
$\overline{MWR}$: MEMORY READ / WRITE STROBE (BMODE = 0)
$\overline{PCOMP}$: PACKET COMPRESSION
$\overline{RDYO}$: READY OUTPUT (BMODE = 0)
RXDO : RECEIVE DATA OUTPUT (EXT = 0)
RXCO : RECEIVE CLOCK OUTPUT (EXT = 0)
$\overline{S0\text{-}S2}$: BUS STATUS
$\overline{SMACK}$: SLAVE AND MEMORY ACKNOWLEDGE
TXCO : TRANSMIT CLOCK OUTPUT (EXT = 0)
TXD : TRANSMIT DATA
TXE : TRANSMIT ENABLE
TX (+, –) : TRANSMIT (+, –) (EXT = 1)

INPUT/OUTPUT

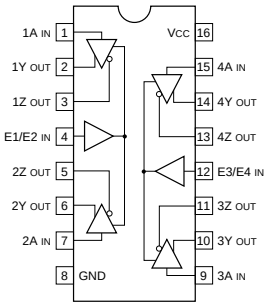
D0 - D31 : DATA BUS
$\overline{DSACK}$ (0, 1) : DATA AND SIZE ACKNOWLEDGE (0, 1) (BMODE = 1)
USR (0, 1) : USER DEFINABLE (0, 1)
X1 : CRYSTAL DRIVE OR EXTERNAL OSCILLATOR INPUT



DS96F174CJ (NS)FLAT PACKAGE

DIFFERENTIAL OUTPUT LINE DRIVER

—TOP VIEW—



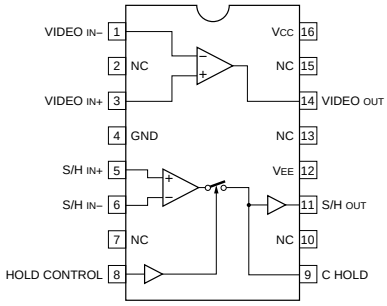
INPUTS		OUTPUTS	
A	E	Y	Z
1	1	1	0
0	1	0	1
×	0	HI-Z	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

EL2090CM (ELANTEC)

100 MHz DC-RESTORED VIDEO AMPLIFIER

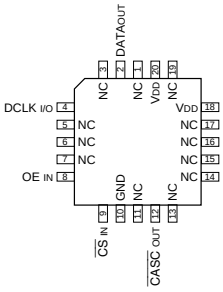
—TOP VIEW—

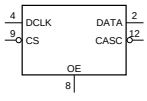


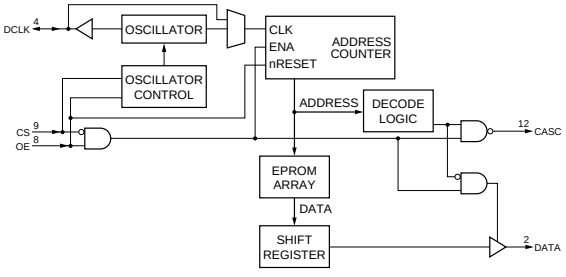
EPC1LC20 (ALTERA)

C-MOS SERIAL EPROM

—TOP VIEW—







INPUT

$\overline{CS}$: CHIP SELECT

OE : OUTPUT ENABLE

INPUT/OUTPUT

DCLK : CLOCK

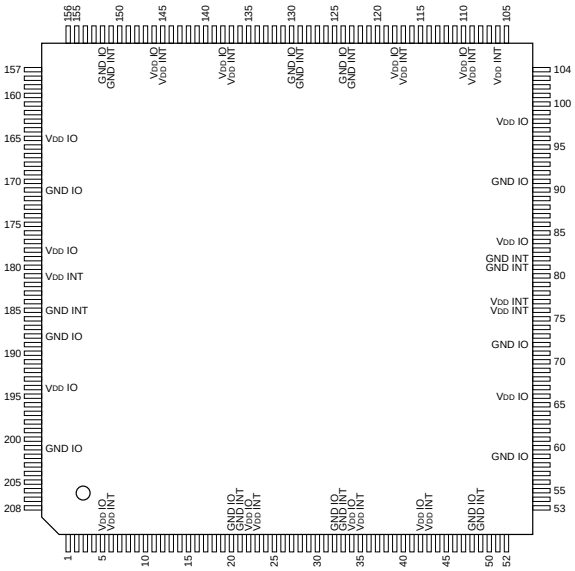
OUTPUT

$\overline{CASC}$: CASCADE SELECT

EPF10K40RC208-3 (ALTERA)

C-MOS EMBEDDED PROGRAMMABLE LOGIC DEVICE

—TOP VIEW—

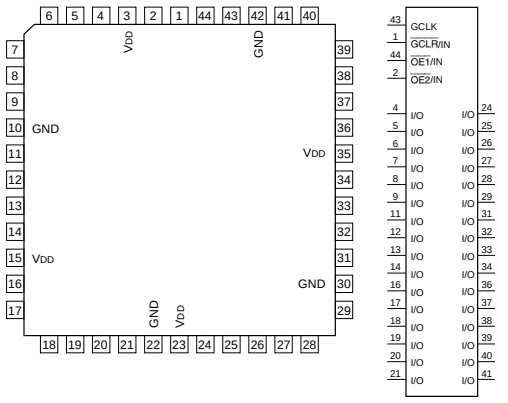


PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	TCK	53	I/O	I/O	105	I	$\overline{CONFIG}$	157	I/O	DATA1
2	I/O	CONF_DONE	54	I/O	I/O	106	—	VDD INT	158	I/O	DATA2
3	I	$\overline{CEO}$	55	I/O	I/O	107	I	MSEL1	159	I/O	DATA3
4	O	TDO	56	I/O	I/O	108	I	MSEL0	160	I/O	I/O
5	—	VDD IO	57	I/O	I/O	109	—	VDD INT	161	I/O	DATA4
6	—	VDD INT	58	I/O	I/O	110	—	VDD IO	162	I/O	DATA5
7	I/O	I/O	59	—	GND IO	111	I/O	I/O	163	I/O	I/O
8	I/O	I/O	60	I/O	I/O	112	I/O	I/O	164	I/O	DATA6
9	I/O	I/O	61	I/O	I/O	113	I/O	I/O	165	—	VDD IO
10	I	CLKUSR	62	I/O	I/O	114	I/O	I/O	166	I/O	DATA7
11	I/O	I/O	63	I/O	I/O	115	I/O	I/O	167	I/O	I/O
12	I/O	I/O	64	I/O	I/O	116	I/O	I/O	168	I/O	I/O
13	I/O	I/O	65	I/O	I/O	117	—	VDD INT	169	I/O	I/O
14	I/O	I/O	66	–	VDD IO	118	—	VDD IO	170	I/O	I/O
15	I/O	I/O	67	I/O	I/O	119	I/O	I/O	171	—	GND IO
16	I/O	$\overline{RDY}$ $\overline{BSY}$	68	I/O	I/O	120	I/O	I/O	172	I/O	I/O
17	I/O	I/O	69	I/O	I/O	121	I/O	I/O	173	I/O	I/O
18	I/O	I/O	70	I/O	I/O	122	I/O	I/O	174	I/O	I/O
19	I/O	INIT DONE	71	I/O	I/O	123	—	GND INT	175	I/O	I/O
20	—	GND IO	72	–	GND IO	124	—	GND IO	176	I/O	I/O
21	—	GND INT	73	I/O	I/O	125	I/O	I/O	177	I/O	I/O
22	—	VDD IO	74	I/O	I/O	126	I/O	I/O	178	—	VDD IO
23	—	VDD INT	75	I/O	I/O	127	I/O	I/O	179	I/O	I/O
24	I/O	I/O	76	–	VDD INT	128	I/O	I/O	180	I/O	$\overline{DEV}$ $\overline{CLR}$
25	I/O	I/O	77	–	VDD INT	129	—	GND INT	181	—	VDD INT
26	I/O	I/O	78	I/O	I/O	130	—	GND IO	182	I/O	I/O
27	I/O	I/O	79	I/O	I/O	131	I/O	I/O	183	I/O	I/O
28	I/O	I/O	80	I/O	I/O	132	I/O	I/O	184	I/O	I/O
29	I/O	I/O	81	–	GND INT	133	I/O	I/O	185	—	GND INT
30	I/O	I/O	82	–	GND INT	134	I/O	I/O	186	I	DEV OE
31	I/O	I/O	83	I/O	I/O	135	I/O	I/O	187	I/O	I/O
32	—	GND IO	84	–	VDD IO	136	I/O	I/O	188	—	GND IO
33	—	GND INT	85	I/O	I/O	137	—	VDD INT	189	I/O	I/O
34	—	VDD IO	86	I/O	I/O	138	—	VDD IO	190	I/O	I/O
35	—	VDD INT	87	I/O	I/O	139	I/O	I/O	191	I/O	I/O
36	I/O	I/O	88	I/O	I/O	140	I/O	I/O	192	I/O	I/O
37	I/O	I/O	89	I/O	I/O	141	I/O	I/O	193	I/O	I/O
38	I/O	I/O	90	I/O	I/O	142	I/O	I/O	194	—	VDD IO
39	I/O	I/O	91	–	GND IO	143	I/O	I/O	195	I/O	I/O
40	I/O	I/O	92	I/O	I/O	144	I/O	I/O	196	I/O	I/O
41	I/O	I/O	93	I/O	I/O	145	—	VDD INT	197	I/O	I/O
42	—	VDD IO	94	I/O	I/O	146	—	VDD IO	198	I/O	I/O
43	—	VDD INT	95	I/O	I/O	147	I/O	I/O	199	I/O	I/O
44	I/O	I/O	96	I/O	I/O	148	I/O	I/O	200	I/O	I/O
45	I/O	I/O	97	I/O	I/O	149	I/O	I/O	201	—	GND IO
46	I/O	I/O	98	–	VDD IO	150	I/O	I/O	202	I/O	I/O
47	I/O	I/O	99	I/O	I/O	151	—	GND INT	203	I/O	I/O
48	—	GND IO	100	I/O	I/O	152	—	GND IO	204	I/O	$\overline{RS}$
49	I	GND INT	101	I/O	I/O	153	I	TDI	205	I/O	I/O
50	I	TMS	102	I/O	I/O	154	I	$\overline{CE}$	206	I/O	$\overline{WS}$
51	O	$\overline{TRST}$	103	I/O	I/O	155	I	DCLK	207	I/O	$\overline{CS}$
52	O	$\overline{STATUS}$	104	I/O	I/O	156	I/O	DATA0	208	I/O	$\overline{CS}$

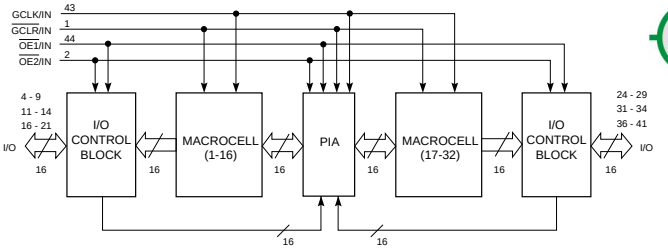
EPM7032LC44-6 (ALTERA)
EPM7032LC44-7

C-MOS ERASABLE PLD

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	GCLR/IN	12	I/O	I/O	23	—	VDD	34	I/O	I/O
2	I	OE2/IN	13	I/O	I/O	24	I/O	I/O	35	—	VDD
3	—	VDD	14	I/O	I/O	25	I/O	I/O	36	I/O	I/O
4	I/O	I/O	15	—	VDD	26	I/O	I/O	37	I/O	I/O
5	I/O	I/O	16	I/O	I/O	27	I/O	I/O	38	I/O	I/O
6	I/O	I/O	17	I/O	I/O	28	I/O	I/O	39	I/O	I/O
7	I/O	I/O	18	I/O	I/O	29	I/O	I/O	40	I/O	I/O
8	I/O	I/O	19	I/O	I/O	30	I/O	I/O	41	I/O	I/O
9	I/O	I/O	20	I/O	I/O	31	—	GND	42	—	GND
10	—	GND	21	I/O	I/O	32	I/O	I/O	43	I	GCLK/IN
11	I/O	I/O	22	—	GND	33	I/O	I/O	44	I	OE1/IN

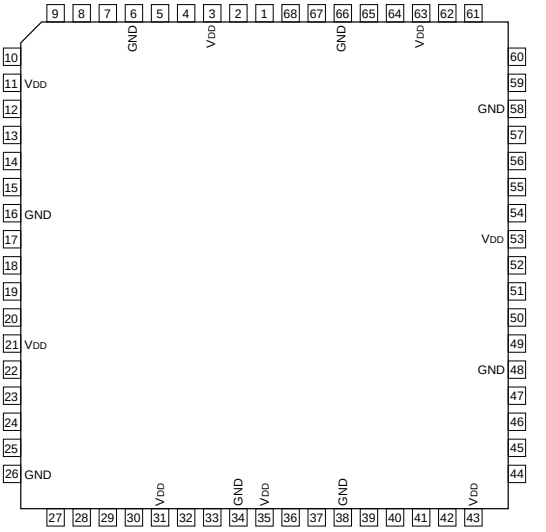


*ABOVE DIAGRAM SHOWS CONDITIONS BEFORE PROGRAMMING

EPM7064LC68-15 (ALTERA)

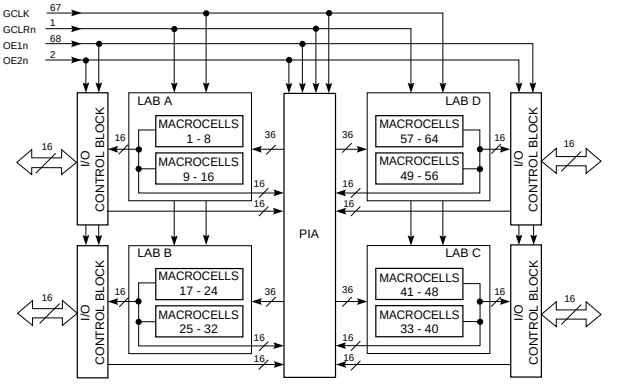
C-MOS FIELD PROGRAMMABLE LOGIC CIRCUIT

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	GCLRn	18	I/O	I/O	35	—	VDD	52	I/O	I/O
2	I	OE2n	19	I/O	I/O	36	I/O	I/O	53	—	VDD
3	—	VDD	20	I/O	I/O	37	I/O	I/O	54	I/O	I/O
4	I/O	I/O	21	—	VDD	38	—	GND	55	I/O	I/O
5	I/O	I/O	22	I/O	I/O	39	I/O	I/O	56	I/O	I/O
6	—	GND	23	I/O	I/O	40	I/O	I/O	57	I/O	I/O
7	I/O	I/O	24	I/O	I/O	41	I/O	I/O	58	—	GND
8	I/O	I/O	25	I/O	I/O	42	I/O	I/O	59	I/O	I/O
9	I/O	I/O	26	—	GND	43	—	VDD	60	I/O	I/O
10	I/O	I/O	27	I/O	I/O	44	I/O	I/O	61	I/O	I/O
11	—	VDD	28	I/O	I/O	45	I/O	I/O	62	I/O	I/O
12	I/O	I/O	29	I/O	I/O	46	I/O	I/O	63	—	VDD
13	I/O	I/O	30	I/O	I/O	47	I/O	I/O	64	I/O	I/O
14	I/O	I/O	31	—	VDD	48	—	GND	65	I/O	I/O
15	I/O	I/O	32	I/O	I/O	49	I/O	I/O	66	—	GND
16	—	GND	33	I/O	I/O	50	I/O	I/O	67	I	GCLK
17	I/O	I/O	34	—	GND	51	I/O	I/O	68	I	OE1n

GCLK ; GLOBAL CLOCK
GCLRn ; GLOBAL CLEAR
I/O ; DATA INPUTS/OUTPUTS
OE1n ; OUTPUT ENABLE 1 INPUT
OE2n ; OUTPUT ENABLE 2 INPUT

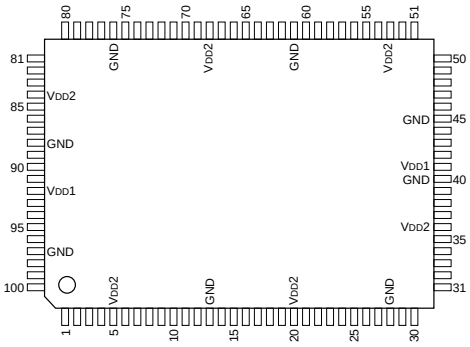


*ABOVE DIAGRAM SHOWS CONDITIONS BEFORE PROGRAMMING.

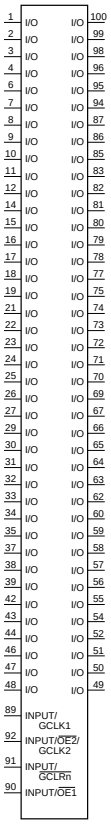
EPM7128SQC100-10 (ALTERA)

C-MOS FIELD PROGRAMMABLE LOGIC CIRCUIT

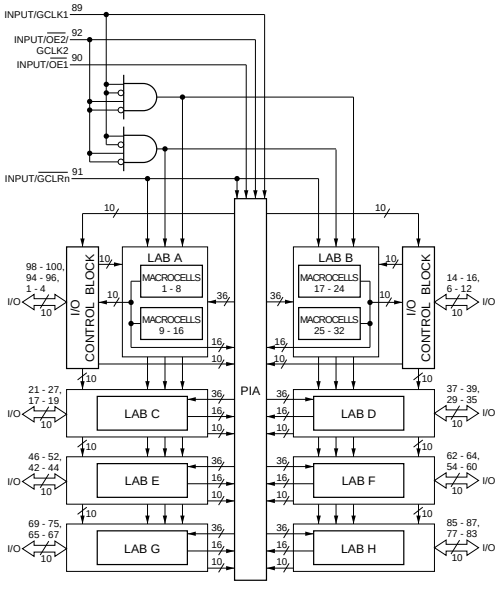
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	I/O	26	I/O	I/O	51	I/O	I/O	76	—	GND
2	I/O	I/O	27	I/O	I/O	52	I/O	I/O	77	I/O	I/O
3	I/O	I/O	28	—	GND	53	—	VDD2	78	I/O	I/O
4	I/O	I/O	29	I/O	I/O	54	I/O	I/O	79	I/O	I/O
5	—	VDD2	30	I/O	I/O	55	I/O	I/O	80	I/O	I/O
6	I/O	I/O	31	I/O	I/O	56	I/O	I/O	81	I/O	I/O
7	I/O	I/O	32	I/O	I/O	57	I/O	I/O	82	I/O	I/O
8	I/O	I/O	33	I/O	I/O	58	I/O	I/O	83	I/O	I/O
9	I/O	I/O	34	I/O	I/O	59	I/O	I/O	84	—	VDD2
10	I/O	I/O	35	I/O	I/O	60	I/O	I/O	85	I/O	I/O
11	I/O	I/O	36	—	VDD2	61	—	GND	86	I/O	I/O
12	I/O	I/O	37	I/O	I/O	62	I/O	I/O	87	I/O	I/O
13	—	GND	38	I/O	I/O	63	I/O	I/O	88	—	GND
14	I/O	I/O	39	I/O	I/O	64	I/O	I/O	89	I	INPUT/$\overline{GCLK1}$
15	I/O	I/O	40	—	GND	65	I/O	I/O	90	I	INPUT/$\overline{OE1}$
16	I/O	I/O	41	—	VDD1	66	I/O	I/O	91	I	INPUT/$\overline{GCLRn}$
17	I/O	I/O	42	I/O	I/O	67	I/O	I/O	92	I	INPUT/$\overline{OE2}$/GCLK2
18	I/O	I/O	43	I/O	I/O	68	—	VDD2	93	—	VDD1
19	I/O	I/O	44	I/O	I/O	69	I/O	I/O	94	I/O	I/O
20	—	VDD2	45	—	GND	70	I/O	I/O	95	I/O	I/O
21	I/O	I/O	46	I/O	I/O	71	I/O	I/O	96	I/O	I/O
22	I/O	I/O	47	I/O	I/O	72	I/O	I/O	97	—	GND
23	I/O	I/O	48	I/O	I/O	73	I/O	I/O	98	I/O	I/O
24	I/O	I/O	49	I/O	I/O	74	I/O	I/O	99	I/O	I/O
25	I/O	I/O	50	I/O	I/O	75	I/O	I/O	100	I/O	I/O



GCLK1 ; GLOBAL CLOCK1 INPUT
GCLK2 ; GLOBAL CLOCK2 INPUT
$\overline{GCLRn}$; GLOBAL CLEAR INPUT
$\overline{OE1}$; OUTPUT ENABLE1 INPUT
$\overline{OE2}$; OUTPUT ENABLE2 INPUT
I/O ; INPUT/OUTPUT

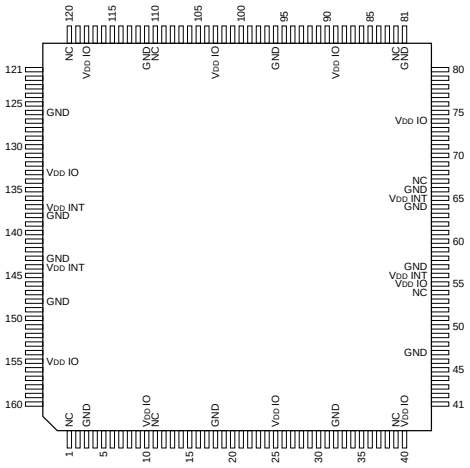


*ABOVE DIAGRAM SHOWS CONDITIONS BEFORE PROGRAMMING.

EPM7192SQC160-10 (ALTERA)

C-MOS PROGRAMMABLE LOGIC DEVICE

—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	41	I/O	I/O	81	—	GND	121	I/O	I/O
2	I/O	I/O	42	I/O	I/O	82	—	NC	122	I/O	I/O
3	—	GND	43	I/O	I/O	83	I/O	I/O	123	I/O	I/O
4	I/O	I/O	44	I/O	I/O	84	I/O	I/O	124	I/O	I/O
5	I/O	I/O	45	I/O	I/O	85	I/O	I/O	125	I/O	I/O
6	I/O	I/O	46	I/O	I/O	86	I/O	I/O	126	—	GND
7	I/O	I/O	47	—	GND	87	I/O	I/O	127	I/O	I/O
8	I/O	I/O	48	I/O	I/O	88	I/O	I/O	128	I/O	I/O
9	I/O	I/O	49	I/O	I/O	89	—	VDD IO	129	I/O	I/O
10	—	VDD IO	50	I/O	I/O	90	I/O	I/O	130	I/O	I/O
11	—	NC	51	I/O	I/O	91	I/O	I/O	131	I/O	I/O
12	I/O	I/O	52	I/O	I/O	92	I/O	I/O	132	I/O	I/O
13	I/O	I/O	53	I/O	I/O	93	I/O	I/O	133	—	VDD IO
14	I/O	I/O	54	—	NC	94	I/O	I/O	134	I/O	I/O
15	I/O	I/O	55	—	VDD IO	95	I/O	I/O	135	O	TDO
16	I/O	I/O	56	—	VDD INT	96	—	GND	136	I/O	I/O
17	I/O	I/O	57	—	GND	97	I/O	I/O	137	—	VDD INT
18	—	GND	58	I/O	I/O	98	I	TCK	138	—	GND
19	I/O	I/O	59	I/O	I/O	99	I/O	I/O	139	I	GCLK1
20	I/O	I/O	60	I/O	I/O	100	I/O	I/O	140	I	OE1
21	I/O	I/O	61	I/O	I/O	101	I/O	I/O	141	I	GCLR
22	I/O	I/O	62	I/O	I/O	102	I/O	I/O	142	I	OE2/GCLK2
23	I	TMS	63	I/O	I/O	103	—	VDD IO	143	—	GND
24	I/O	I/O	64	—	GND	104	I/O	I/O	144	—	VDD INT
25	—	VDD IO	65	—	VDD INT	105	I/O	I/O	145	I/O	I/O
26	I/O	I/O	66	—	GND	106	I/O	I/O	146	I	TDI
27	I/O	I/O	67	—	NC	107	I/O	I/O	147	I/O	I/O
28	I/O	I/O	68	I/O	I/O	108	I/O	I/O	148	—	GND
29	I/O	I/O	69	I/O	I/O	109	I/O	I/O	149	I/O	I/O
30	I/O	I/O	70	I/O	I/O	110	—	NC	150	I/O	I/O
31	I/O	I/O	71	I/O	I/O	111	—	GND	151	I/O	I/O
32	—	GND	72	I/O	I/O	112	I/O	I/O	152	I/O	I/O
33	I/O	I/O	73	I/O	I/O	113	I/O	I/O	153	I/O	I/O
34	I/O	I/O	74	—	VDD IO	114	I/O	I/O	154	I/O	I/O
35	I/O	I/O	75	I/O	I/O	115	I/O	I/O	155	—	VDD IO
36	I/O	I/O	76	I/O	I/O	116	I/O	I/O	156	I/O	I/O
37	I/O	I/O	77	I/O	I/O	117	I/O	I/O	157	I/O	I/O
38	I/O	I/O	78	I/O	I/O	118	—	VDD IO	158	I/O	I/O
39	—	NC	79	I/O	I/O	119	I/O	I/O	159	I/O	I/O
40	—	VDD IO	80	I/O	I/O	120	—	NC	160	I/O	I/O

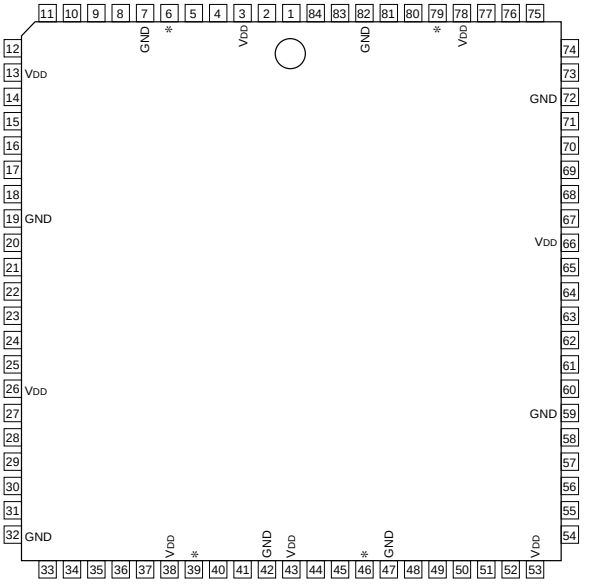
GCLK1 : GLOBAL CLOCK1 INPUT
GCLK2 : GLOBAL CLOCK2 INPUT
GCLR : GLOBAL CLEAR INPUT
OE1 : GLOBAL OUTPUT ENABLE1 INPUT
OE2 : GLOBAL OUTPUT ENABLE2 INPUT

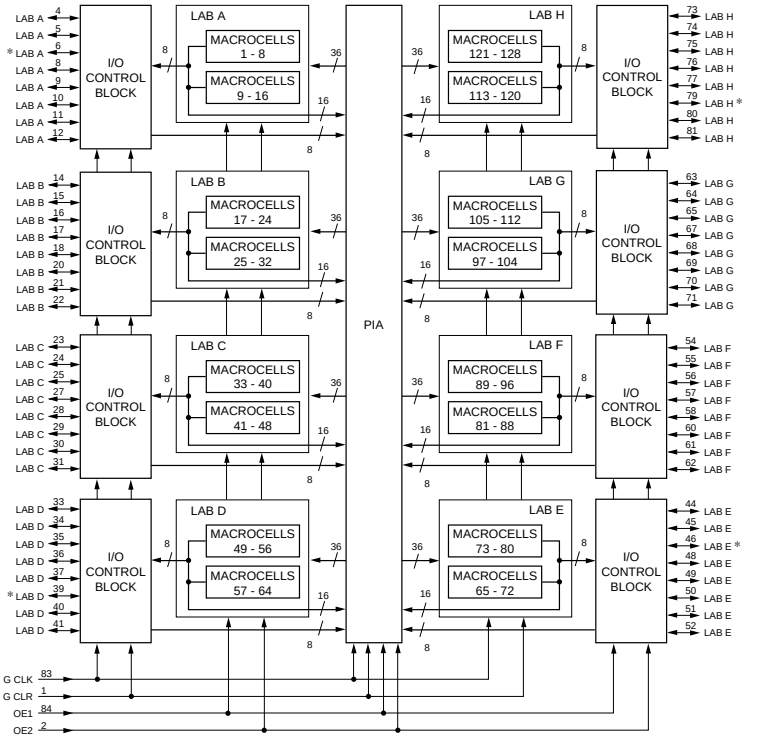
TCK : TEST DATA CLOCK INPUT
TDI : TEST DATA INPUT
TMS : TEST MODE SELECT INPUT
TDO : TEST DATA OUTPUT

EPM7128ELC84-15 (ALTERA)

C-MOS ELECTRICAL ERASABLE PLD

—TOP VIEW—





NOTE
* : No CONNECT (EPM7160E)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	GCLR	22	I/O	LAB B	43	—	VDD	64	I/O	LAB G
2	I	OE2	23	I/O	LAB C	44	I/O	LAB E	65	I/O	LAB G
3	—	VDD	24	I/O	LAB C	45	I/O	LAB E	66	—	VDD
4	I/O	LAB A	25	I/O	LAB C	46	I/O	LAB E*	67	I/O	LAB G
5	I/O	LAB A	26	—	VDD	47	—	GND	68	I/O	LAB G
6	I/O	LAB A*	27	I/O	LAB C	48	I/O	LAB E	69	I/O	LAB G
7	—	GND	28	I/O	LAB C	49	I/O	LAB E	70	I/O	LAB G
8	I/O	LAB A	29	I/O	LAB C	50	I/O	LAB E	71	I/O	LAB G
9	I/O	LAB A	30	I/O	LAB C	51	I/O	LAB E	72	—	GND
10	I/O	LAB A	31	I/O	LAB C	52	I/O	LAB E	73	I/O	LAB H
11	I/O	LAB A	32	—	GND	53	—	VDD	74	I/O	LAB H
12	I/O	LAB A	33	I/O	LAB D	54	I/O	LAB F	75	I/O	LAB H
13	—	VDD	34	I/O	LAB D	55	I/O	LAB F	76	I/O	LAB H
14	I/O	LAB B	35	I/O	LAB D	56	I/O	LAB F	77	I/O	LAB H
15	I/O	LAB B	36	I/O	LAB D	57	I/O	LAB F	78	—	VDD
16	I/O	LAB B	37	I/O	LAB D	58	I/O	LAB F	79	I/O	LAB H*
17	I/O	LAB B	38	—	VDD	59	—	GND	80	I/O	LAB H
18	I/O	LAB B	39	I/O	LAB D*	60	I/O	LAB F	81	I/O	LAB H
19	—	GND	40	I/O	LAB D	61	I/O	LAB F	82	—	GND
20	I/O	LAB B	41	I/O	LAB D	62	I/O	LAB F	83	I	GCLK
21	I/O	LAB B	42	—	GND	63	I/O	LAB G	84	I	OE1

INPUT
GCLK : GROBAL CLOCK
GCLR : GROBAL CLEAR
OE1, 2 : OUTPUT ENABLE 1, 2

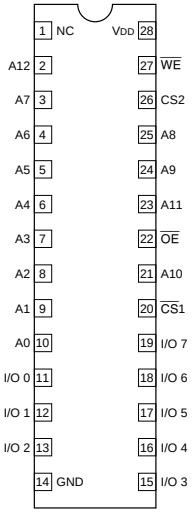
INPUT/OUTPUT
LAB A : LOGIC ARRAY BLOCK A
LAB B : LOGIC ARRAY BLOCK B
LAB C : LOGIC ARRAY BLOCK C
LAB D : LOGIC ARRAY BLOCK D
LAB E : LOGIC ARRAY BLOCK E
LAB F : LOGIC ARRAY BLOCK F
LAB G : LOGIC ARRAY BLOCK G
LAB H : LOGIC ARRAY BLOCK H

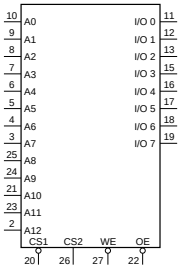
NOTE
* : No CONNECT (EPM7160E)

IDT7164S20Y-TL (IDT)SOP-J BEND

C-MOS 64 K (8 K × 8)-BIT SRAM

—TOP VIEW—





INPUT

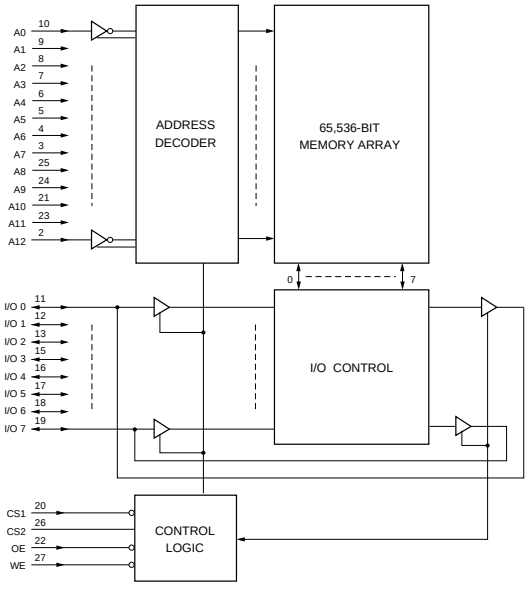
A0 - A12 ; ADDRESS
$\overline{CS}$1, CS2 ; CHIP SELECT 1, 2
$\overline{OE}$; OUTPUT ENABLE
$\overline{WE}$; WRITE ENABLE

INPUT/OUTPUT

I/O 0 - I/O 7 ; DATA INPUTS/OUTPUTS

WE	CS1	CS2	OE	I/O	FUNCTION
×	1	×	×	HI-Z	DESELECTED-STANDBY (ISB)
×	×	0	×	HI-Z	DESELECTED-STANDBY (ISB)
×	VHC	VHC OR VLC	×	HI-Z	DESELECTED-STANDBY (ISB1)
×	×	VLC	×	HI-Z	DESELECTED-STANDBY (ISB1)
1	0	1	1	HI-Z	OUTPUT DISABLED
1	0	1	0	DATA OUT	READ DATA
0	0	1	×	DATA IN	WRITE DATA

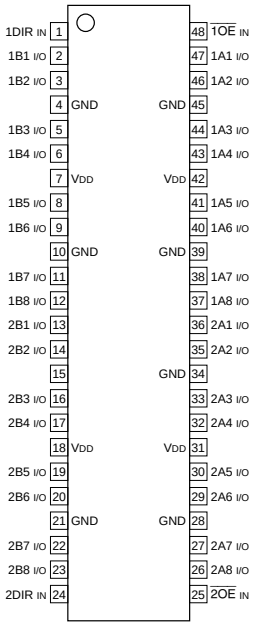
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE
VLC ; 0.2 V
VHC ; −0.2 V

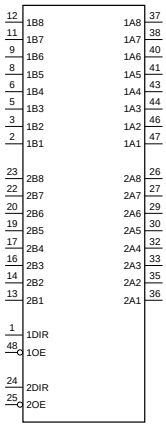


IDT74FCT162245CTPA (IDT)FLAT PACKAGE
SN74LVTH16245ADGGR (TI)FLAT PACKAGE

C-MOS 16-BIT BIDIRECTIONAL TRANSCEIVER

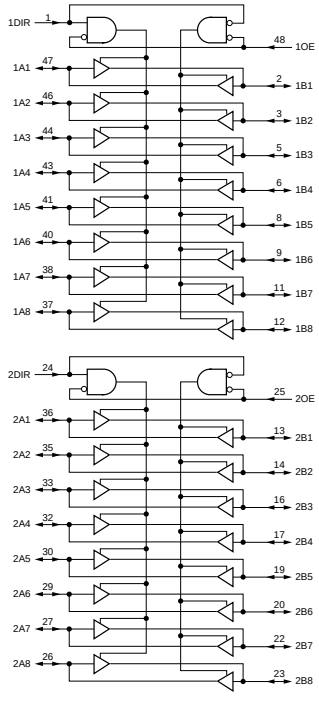
—TOP VIEW—





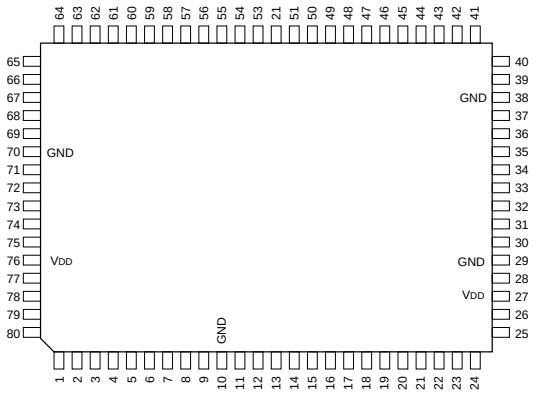
INPUTS		OUTPUTS
$\overline{xOE}$	xDIR	
0	0	BUS B DATA TO BUS A
0	1	BUS A DATA TO BUS B
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE



HD647180X (HITACHI)

C-MOS 8-BIT MICRO PROCESSING UNIT
—TOP VIEW—



INPUT

AN0 - AN5	: ANALOG INPUT
$\overline{\text{BUSREQ}}$	: BUS REQUEST
$\overline{\text{CTS0}}$, $\overline{\text{CTS1}}$	: CLEAR TO SEND GOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
$\overline{\text{DCD0}}$, $\overline{\text{DCD1}}$	: DATA VARRIER DETECT FOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
$\overline{\text{DREQ0}}$, $\overline{\text{DREQ1}}$	: DMA REQUEST FOR CHANNEL n (n = 0 OR 1)
EXTAL	: EXTERNAL CLOCK
IC	: INPUT CAPTURE
$\overline{\text{INT0}}$ - $\overline{\text{INT2}}$	: INTERRUPT
MP0, MP1	: MOD PROGRAM
$\overline{\text{NMI}}$	: NON-MASKABLE INTERRUPT
$\overline{\text{RESET}}$	: RESET
PG0 - PG5	: 6-BIT INPUT OF PORT G
RXA0, RXA1	: RECEIVE DATA FOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
RXS	: RECIEVE DATA FOR SERIAL I/O PORT
XTAL	: CLOCK

OUTPUT

A0 - A19	: ADDRESS BUS
BUSACK	: BUS ACKNOULEDGE
E	: ENABLE
$\overline{\text{IOE}}$	: I/O ENABLE
$\overline{\text{LIR}}$	: LOAD INSTRUCTION REGISTER
$\overline{\text{ME}}$	: MEMORY ENABLE
$\overline{\text{RD}}$	: READ
$\overline{\text{REF}}$	: REFRESH
$\overline{\text{RTS0}}$, $\overline{\text{RTS1}}$	: REQUEST TO SEND FOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
ST	: STATUS
$\overline{\text{TEND0}}$, $\overline{\text{TEND1}}$	: TRANFER END FOR CHANNEL n (n = 0 OR 1)
TOUT1 - TOUT3	: TIMER OUT
TXA0, TXA1	: TRANSFER DATA FOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
TXS	: TRANSFER DATA FOR SERIAL I/O PORT
$\overline{\text{WR}}$	: WRITE
ø	: SYSTEM CLOCK

INPUT/OUTPUT

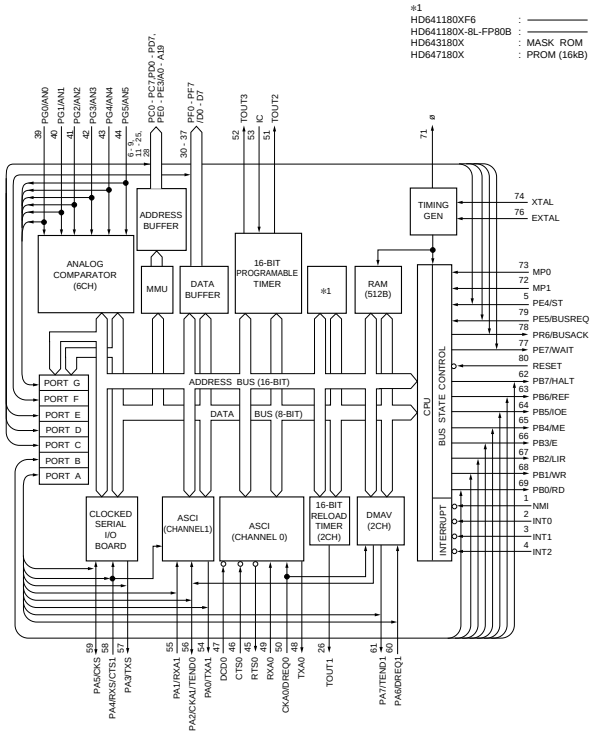
CKA0, CKA1	: CLOCK FOR ASYNCHRONOUS SCI CHANNEL n (n = 0 OR 1)
CKS	: CLOCK FOR SERIAL I/O PORT
D0 - D7	: DATA BUS
PA0 - PA7	: 8-BIT INPUT/OUTPUT OF PORT A
PB0 - PB7	: 8-BIT INPUT/OUTPUT OF PORT B
PC0 - PC7	: 8-BIT INPUT/OUTPUT OF PORT C
PD0 - PD7	: 8-BIT INPUT/OUTPUT OF PORT D
PE0 - PE7	: 8-BIT INPUT/OUTPUT OF PORT E
PF0 - PF7	: 8-BIT INPUT/OUTPUT OF PORT F

MODE 0 : HD643180X, HD647180X
MODE 1 : HD641180XF6, HD643180X, HD647180X, HD641180X-8L-FP80B
MODE 2 : HD643180X, HD647180X
PROM MODE : HD647180X

PIN	MODE 0		MODE 1		MODE 2		PROM MODE	
No.	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL
1	I	$\overline{\text{NMI}}$	I	$\overline{\text{NMI}}$	I	$\overline{\text{NMI}}$	O	A9
2	I	$\overline{\text{INT0}}$	I	$\overline{\text{INT0}}$	I	$\overline{\text{INT0}}$	—	NC
3	I	$\overline{\text{INT1}}$	I	$\overline{\text{INT1}}$	I	$\overline{\text{INT1}}$	—	NC
4	I	$\overline{\text{INT2}}$	I	$\overline{\text{INT2}}$	I	$\overline{\text{INT2}}$	—	NC
5	I/O	PE4	O	ST	O	ST	—	NC
6	I/O	PC0	O	A0	O	A0	O	A0
7	I/O	PC1	O	A1	O	A1	O	A1
8	I/O	PC2	O	A2	O	A2	O	A2
9	I/O	PC3	O	A3	O	A3	O	A3
10	—	GND	—	GND	—	GND	—	GND
11	I/O	PC4	O	A4	O	A4	O	A4
12	I/O	PC5	O	A5	O	A5	O	A5
13	I/O	PC6	O	A6	O	A6	O	A6
14	I/O	PC7	O	A7	O	A7	O	A7
15	I/O	PD0	O	A8	I/O	A8/PD0	O	A8
16	I/O	PD1	O	A9	I/O	A9/PD1	—	NC
17	I/O	PD2	O	A10	I/O	A10/PD2	O	A10
18	I/O	PD3	O	A11	I/O	A11/PD3	O	A11
19	I/O	PD4	O	A12	I/O	A12/PD4	O	A12
20	I/O	PD5	O	A13	I/O	A13/PD5	O	A13
21	I/O	PD6	O	A14	I/O	A14/PD6	O	A14
22	I/O	PD7	O	A15	I/O	A15/PD7	I	OE
23	I/O	PE0	O	A16	I/O	A16/PE0	I	CE
24	I/O	PE1	O	A17	I/O	A17/PE1	—	NC
25	O	PE2	O	A18	I/O	A18/PE2	—	NC
26	—	TOUT1	O	TOUT1	O	TOUT1	—	NC
27	I/O	VDD	—	VDD	—	VDD	—	VDD
28		PE3	O	A19	I/O	A19/PE3	—	NC
29	—	GND	—	GND	—	GND	—	GND
30	I/O	PF0	I/O	D0	I/O	D0	O	O0
31	I/O	PF1	I/O	D1	I/O	D1	O	O1
32	I/O	PF2	I/O	D2	I/O	D2	O	O2
33	I/O	PF3	I/O	D3	I/O	D3	O	O3
34	I/O	PF4	I/O	D4	I/O	D4	O	O4
35	I/O	PF5	I/O	D5	I/O	D5	O	O5
36	I/O	PF6	I/O	D6	I/O	D6	O	O6
37	I/O	PF7	I/O	D7	I/O	D7	O	O7
38	—	GND	—	GND	—	GND	—	GND
39	I	PG0/AN0	I	PG0/AN0	I	PG0/AN0	—	NC
40	I	PG1/AN1	I	PG1/AN1	I	PG1/AN1	—	NC

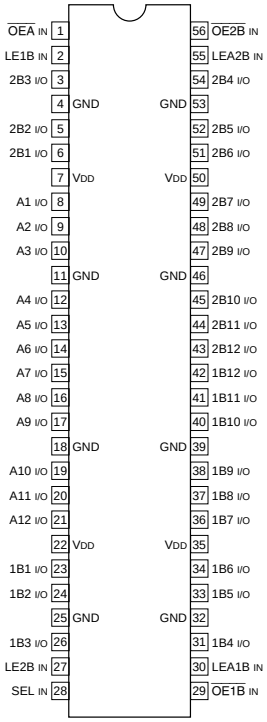
PIN	MODE 0		MODE 1		MODE 2		PROM MODE	
No.	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL	I/O	SIGNAL
41	I	PG2/AN2	I	PG2/AN2	I	PG2/AN2	—	NC
42	I	PG3/AN3	I	PG3/AN3	I	PG3/AN3	—	NC
43	I	PG4/AN4	I	PG4/AN4	I	PG4/AN4	—	NC
44	I	PG5/AN5	I	PG5/AN5	I	PG5/AN5	—	NC
45	O	$\overline{\text{RTS0}}$	O	$\overline{\text{RTS0}}$	O	$\overline{\text{RTS0}}$	—	NC
46	I	$\overline{\text{CTS0}}$	I	$\overline{\text{CTS0}}$	I	$\overline{\text{CTS0}}$	—	NC
47	I	$\overline{\text{DCD0}}$	I	$\overline{\text{DCD0}}$	I	$\overline{\text{DCD0}}$	—	NC
48	O	TXA0	O	TXA0	O	TXA0	—	NC
49	I	RXA0	I	RXA0	I	RXA0	—	NC
50	I/O	CKA0/$\overline{\text{DREQ0}}$	I/O	CKA0/$\overline{\text{DREQ0}}$	I/O	CKA0/$\overline{\text{DREQ0}}$	—	NC
51	O	TOUT2	O	TOUT2	O	TOUT2	—	NC
52	O	TOUT3	O	TOUT3	O	TOUT3	—	NC
53	I	IC	I	IC	I	IC	—	NC
54	I/O	TXA1/PA0	I/O	TXA1/PA0	I/O	TXA1/PA0	—	NC
55	I/O	RXA1/PA1	I/O	RXA1/PA1	I/O	RXA1/PA1	—	NC
56	I/O	CKA1/$\overline{\text{TEND0}}$/PA2	I/O	CKA1/$\overline{\text{TEND0}}$/PA2	I/O	CKA1/$\overline{\text{TEND0}}$/PA2	—	NC
57	I/O	TXS/PA3	I/O	TXS/PA3	I/O	TXS/PA3	—	NC
58	I/O	RXS/$\overline{\text{CTS1}}$/PA4	I/O	RXS/$\overline{\text{CTS1}}$/PA4	I/O	RXS/$\overline{\text{CTS1}}$/PA4	—	NC
59	I/O	CKS/PA5	I/O	CKS/PA5	I/O	CKS/PA5	—	NC
60	I/O	$\overline{\text{DREQ1}}$/PA6	I/O	$\overline{\text{DREQ1}}$/PA6	I/O	$\overline{\text{DREQ1}}$/PA6	—	NC
61	I/O	$\overline{\text{TEND1}}$/PA7	I/O	$\overline{\text{TEND1}}$/PA7	I/O	$\overline{\text{TEND1}}$/PA7	—	NC
62	I/O	PB7	O	HALT	O	HALT	—	NC
63	I/O	PB6	O	$\overline{\text{REF}}$	O	$\overline{\text{REF}}$	—	NC
64	I/O	PB5	O	$\overline{\text{IOE}}$	O	$\overline{\text{IOE}}$	—	NC
65	I/O	PB4	O	$\overline{\text{ME}}$	O	$\overline{\text{ME}}$	—	NC
66	I/O	PB3	O	E	O	E	—	NC
67	I/O	PB2	O	$\overline{\text{LIR}}$	O	$\overline{\text{LIR}}$	—	NC
68	I/O	PB1	O	$\overline{\text{WR}}$	O	$\overline{\text{WR}}$	—	NC
69	I/O	PB0	O	$\overline{\text{RD}}$	O	$\overline{\text{RD}}$	—	NC
70	—	GND	—	GND	—	GND	—	GND
71	O	ø	O	ø	O	ø	—	NC
72	I	MP1	I	MP1	I	MP1	I	MP1
73	I	MP0	I	MP0	I	MP0	I	MP0
74	I	XTAL	I	XTAL	I	XTAL	I	XTAL
75	I	EXTAL	I	EXTAL	I	EXTAL	I	EXTAL
76	—	VDD	—	VDD	—	VDD	—	VDD
77	I/O	PE7	I	$\overline{\text{WAIT}}$	I	$\overline{\text{WAIT}}$	—	NC
78	I/O	PE6	O	$\overline{\text{BUSACK}}$	O	$\overline{\text{BUSACK}}$	—	NC
79	I/O	PE5	I	$\overline{\text{BUSREQ}}$	I	$\overline{\text{BUSREQ}}$	—	NC
80	I	$\overline{\text{RESET}}$	I	$\overline{\text{RESET}}$	I	$\overline{\text{RESET}}$	—	VPP

http://getMANUAL.com



IDT74FCT162260ETPA (IDT)FLAT PACKAGE

C-MOS 12-BIT TRI-PORT BUS EXCHANGER
—TOP VIEW—



INPUTS						OUTPUTS
1B	2B	SEL	LE1B	LE2B	$\overline{OEA}$	A
1	×	1	1	×	0	1
0	×	1	1	×	0	0
×	×	1	0	×	0	A*1
×	1	0	×	1	0	1
×	0	0	×	1	0	0
×	×	0	×	0	0	A*1
×	×	×	×	×	1	HI-Z

INPUTS					OUTPUTS	
A	LEA1B	LEA2B	$\overline{OE1B}$	$\overline{OE2B}$	1B	2B
1	1	1	0	0	1	1
0	1	1	0	0	0	0
1	1	0	0	0	1	B*1
0	1	0	0	0	0	B*1
1	0	1	0	0	B*1	1
0	0	1	0	0	B*1	0
×	0	0	0	0	B*1	B*1
×	×	×	1	1	HI-Z	HI-Z
×	×	×	0	1	ACTIVE	HI-Z
×	×	×	1	0	HI-Z	ACTIVE
×	×	×	0	0	ACTIVE	ACTIVE

*1 : OUTPUT LEVEL BEFORE THE INDICATED STEADY-STATE INPUT CONDITIONS WERE ESTABLISHED.

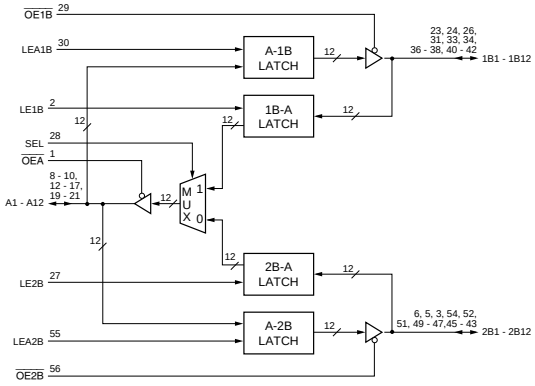
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

INPUT

LEA1B : LATCH ENABLE FOR A-1B LATCH
LEA2B : LATCH ENABLE FOR A-2B LATCH
LE1B : LATCH ENABLE FOR 1B-A LATCH
LE2B : LATCH ENABLE FOR 2B-A LATCH
$\overline{SEL}$: 1B OR 2B PATH SELECTION
$\overline{OEA}$: OUTPUT ENABLE FOR A PORT
$\overline{OE1B}$: OUTPUT ENABLE FOR 1B PORT
$\overline{OE2B}$: OUTPUT ENABLE FOR 2B PORT

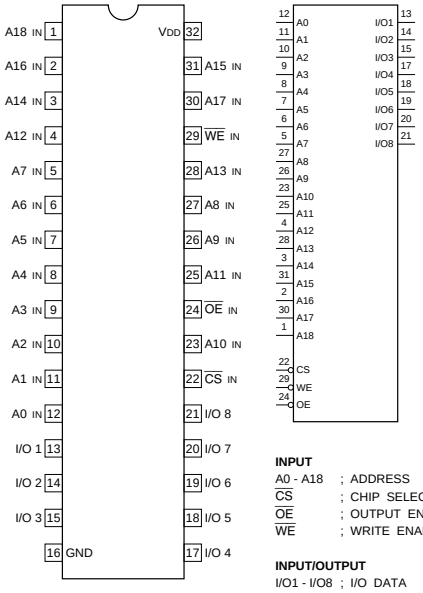
INPUT/OUTPUT

A1 - A12 : BIDIRECTIONAL DATA PORT A
1B1 - 1B12 : BIDIRECTIONAL DATA PORT 1B
2B1 - 2B12 : BIDIRECTIONAL DATA PORT 2B



HM628512ALTT-5SLZ (HITACHI)FLAT PACKAGE

C-MOS 4 M (524,288 × 8)-BIT SRAM
—TOP VIEW—



INPUT

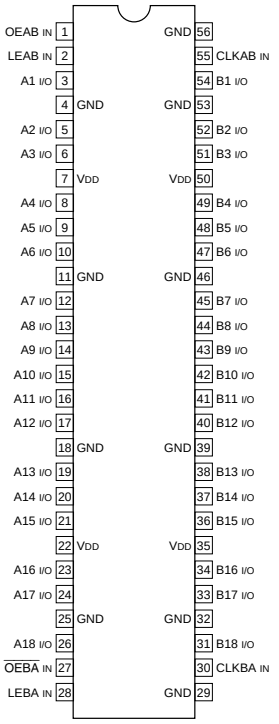
A0 - A18 ; ADDRESS
$\overline{CS}$; CHIP SELECT
$\overline{OE}$; OUTPUT ENABLE
$\overline{WE}$; WRITE ENABLE

INPUT/OUTPUT

I/O1 - I/O8 ; I/O DATA

IDT74FCT162501ETPA (IDT)FLAT PACKAGE

C-MOS 18-BIT REGISTER TRANSCEIVER
—TOP VIEW—



A to B

INPUTS				OUTPUT
OEAB	LEAB	CLKAB	Ax	Bx
0	×	×	×	HI-Z
1	1	×	0	0
1	1	×	1	1
1	0	↓	0	0
1	0	↓	1	1
1	0	0	×	B*1
1	0	1	×	B*2

B to A

INPUTS				OUTPUT
$\overline{OEBA}$	LEBA	CLKBA	Ax	Bx
0	×	×	×	HI-Z
1	1	×	0	0
1	1	×	1	1
1	0	↓	0	0
1	0	↓	1	1
1	0	0	×	B*1
1	0	1	×	B*2

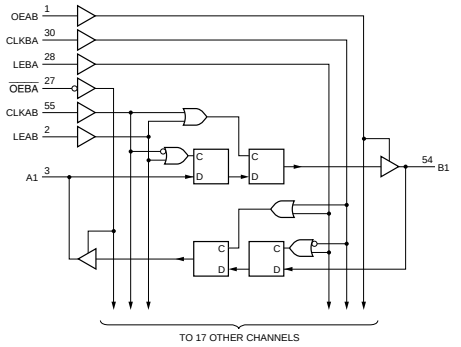
*1 : OUTPUT LEVEL BEFORE THE INDICATED STEADY-STATE INPUT CONDITIONS WERE ESTABLISHED.

*2 : OUTPUT LEVEL BEFORE THE INDICATED STEADY-STATE INPUT CONDITIONS WERE ESTABLISHED, PROVIDED THAT CLKxx WAS HIGH BEFORE LExx WENT LOW.

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

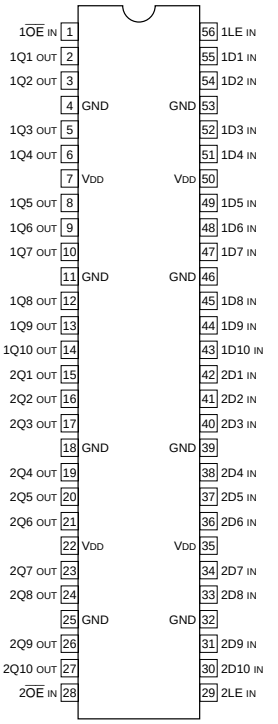
INPUT
CLKAB : A-to-B CLOCK
CLKBA : B-to-A CLOCK
LEAB : A-to-B LATCH ENABLE
LEBA : B-to-A LATCH ENABLE
$\overline{OEAB}$: A-to-B OUTPUT ENABLE
$\overline{OEBA}$: B-to-A OUTPUT ENABLE

INPUT/OUTPUT
A1 - A18 : A-to-B DATA INPUTS OR B-to-A 3-STATE OUTPUTS
B1 - B18 : B-to-A DATA INPUTS OR A-to-B 3-STATE OUTPUTS



IDT74FCT162841ETPA (IDT)FLAT PACKAGE

C-MOS 20-BIT TRANSPARENT LATCH
—TOP VIEW—

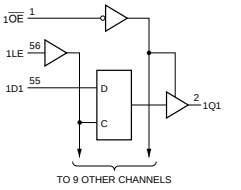


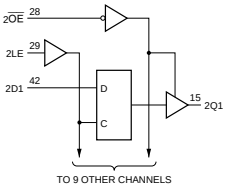
INPUTS			OUTPUTS
xDx	xLE	x$\overline{OE}$	xQx
1	1	0	1
0	1	0	0
×	0	0	Q*1
×	×	1	HI-Z

*1 : OUTPUT LEVEL BEFORE xLE HIGH-to-LOW TRANSITION.
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

INPUT
1D1 - 1D10, 2D1 - 2D10 : DATA
1LE, 2LE : LATCH ENABLE
1OE, 2OE : OUTPUT ENABLE

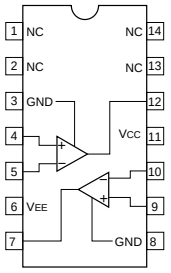
OUTPUT
1Q1 - 1Q10, 2Q1 - 2Q10 : 3-STATE DATA





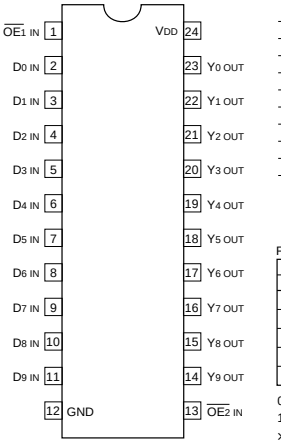
LM319M (NS)FLAT PACKAGE

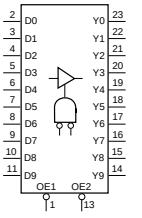
DUAL VOLTAGE COMPARATOR
—TOP VIEW—



IDT74FCT827CTSO-TL (IDT)FLAT PACKAGE

C-MOS 10-BIT BUFFERS AND DRIVERS WITH 3-STATE OUTPUT
—TOP VIEW—





FUNCTION TABLE

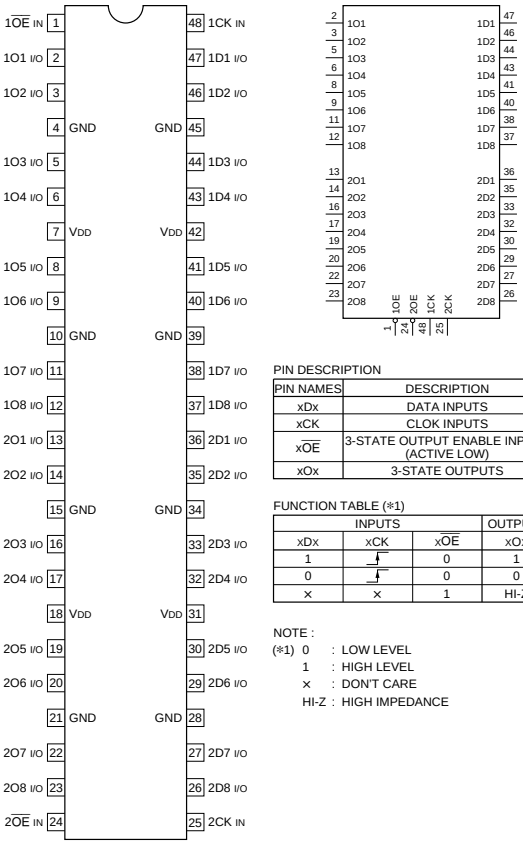
INPUTS			OUTPUTS
OE1	OE2	Dn	Y
0	0	0	0
0	0	1	1
0	1	×	HI-Z
1	0	×	HI-Z
1	1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

IDT74FCT16374ETPA-TL (IDT)FLAT PACKAGE

C-MOS 16-BIT REGISTER

—TOP VIEW—



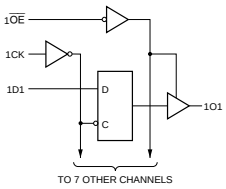
PIN DESCRIPTION

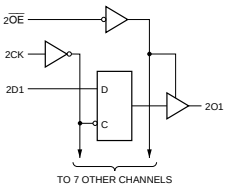
PIN NAMES	DESCRIPTION
xDx	DATA INPUTS
xCK	CLOK INPUTS
x$\overline{OE}$	3-STATE OUTPUT ENABLE INPUTS (ACTIVE LOW)
xOx	3-STATE OUTPUTS

FUNCTION TABLE (*1)

INPUTS			OUTPUTS
xDx	xCK	x$\overline{OE}$	xOx
1	↑	0	1
0	↑	0	0
×	×	1	HI-Z

NOTE :
(*1) 0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

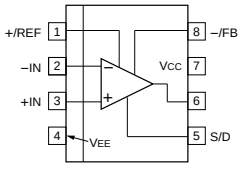




LT1193CS8 (LINEAR TECH)

VIDEO DEFFERENTIAL AMPLIFIER

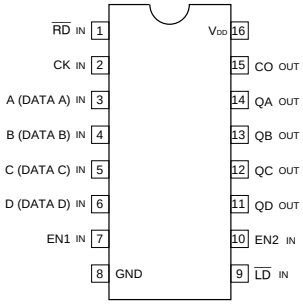
—TOP VIEW—

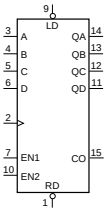


IDT74FCT163CTSO-TL (IDT)FLAT PACKAGE
TC74VHC163FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER

—TOP VIEW—

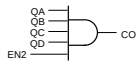




MODE SELECTION

CONTROL INPUTS				MODE
RD	LD	EN1	EN2	
0	×	×	×	RESET (SYNCHRONOUS)
1	0	×	×	PRESET (SYNCHRONOUS)
1	1	0	×	NO COUNT
1	1	×	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

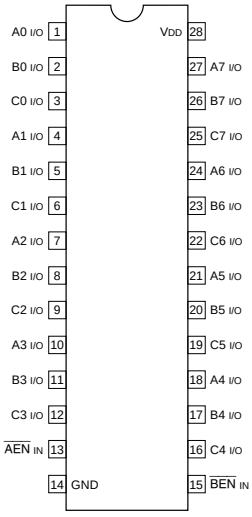
COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

IDT74FST3390Q (IDT)FLAT PACKAGE

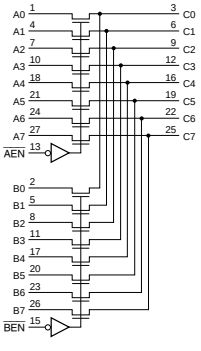
C-MOS OCTAL 2:1 MULTIPLEXER BUS SWITCHER

—TOP VIEW—



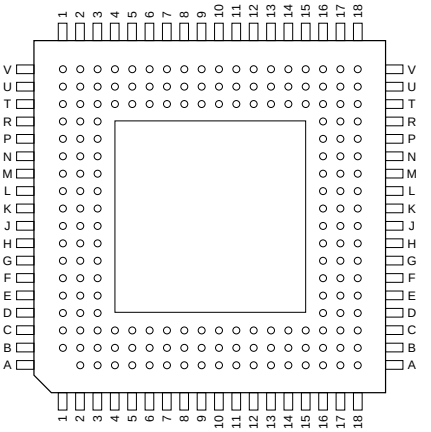
INPUT
AEN, BEN : BUS SWITCH ENABLE

INPUT/OUTPUT
A0 - A7 : BUS A
B0 - B7 : BUS B
C0 - C7 : BUS C



IDT79RV4700-150G (IDT)

C-MOS 64-BIT RISC MICROPROCESSOR
—TOP VIEW—



PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
A2	—	VDD	C11	I/O	SYSAD41	K2	I/O	SYSAD16	T11	I/O	SYSAD57
A3	—	GND	C12	I/O	SYSAD10	K3	I	INT2	T12	I/O	SYSAD26
A4	—	VDD	C13	I/O	SYSCMD8	K16	—	PGND	T13	I	IOIN
A5	I/O	SYSCMD3	C14	I/O	SYSCMDP	K17	I	PVDD	T14	I	COLDRESET
A6	—	GND	C15	I/O	SYSAD44	K18	—	GND	T15	I/O	SYSAD60
A7	—	NC	C16	I/O	SYSAD13	L1	—	GND	T16	I/O	SYSAD29
A8	—	GND	C17	O	TCLOCK0	L2	I/O	SYSAD48	T17	O	RCLOCK0
A9	—	VDD	C18	—	GND	L3	I	INT1	T18	—	VDD
A10	—	GND	D1	—	GND	L16	I/O	SYSADC3	U1	—	VDD
A11	—	VDD	D2	I/O	SYSAD35	L17	I/O	SYSADC7	U2	I	EXTRQST
A12	—	GND	D3	I/O	SYSCMD1	L18	—	VDD	U3	I/O	SYSAD53
A13	—	VDD	D16	O	TCLOCK1	M1	—	VDD	U4	I	MODEIN
A14	—	GND	D17	I/O	SYSAD14	M2	I/O	SYSAD17	U5	I/O	SYSAD22
A15	I/O	SYSAD43	D18	—	VDD	M3	I/O	SYSAD49	U6	I/O	SYSAD23
A16	—	VDD	E1	I/O	SYSAD2	M16	I/O	SYSAD31	U7	I	NMI
A17	—	GND	E2	I/O	SYSCMD0	M17	I	VDDOK	U8	I/O	SYSADC6
A18	—	GND	E3	I/O	SYSAD3	M18	—	GND	U9	I/O	SYSAD24
B1	—	GND	E16	I	JTMS	N1	—	GND	U10	—	NC
B2	I/O	SYSCMD2	E17	I/O	SYSAD46	N2	I	INT0	U11	I/O	SYSAD25
B3	I/O	SYSAD37	E18	I/O	SYSAD15	N3	I/O	SYSAD50	U12	O	IOOUT
B4	O	MODECLOCK	F1	—	VDD	N16	I/O	SYSAD62	U13	I/O	SYSAD58
B5	I/O	SYSAD6	F2	I	INT5	N17	I/O	SYSAD63	U14	I/O	SYSAD27
B6	I/O	SYSAD7	F3	I/O	SYSAD34	N18	—	VDD	U15	I/O	SYSAD28
B7	I/O	SYSCMD4	F16	O	JTDO	P1	I/O	SYSAD18	U16	I	RESET
B8	I/O	SYSADC4	F17	I/O	SYSAD47	P2	I	VALIDIN	U17	I/O	SYSAD61
B9	I/O	SYSAD8	F18	—	GND	P3	I/O	SYSAD19	U18	—	GND
B10	I/O	SYSCMD6	G1	—	GND	P16	O	SYNCOUT	V1	—	GND
B11	I/O	SYSAD9	G2	I/O	SYSAD1	P17	O	MASTEROUT	V2	—	GND
B12	I/O	SYSCMD7	G3	I/O	SYSAD33	P18	—	GND	V3	—	VDD
B13	I/O	SYSAD42	G16	I	JTDI	R1	—	VDD	V4	—	GND
B14	I/O	SYSAD11	G17	I/O	SYSADC1	R2	I/O	SYSAD51	V5	O	RELEASE
B15	I/O	SYSAD12	G18	—	VDD	R3	O	VALIDOUT	V6	—	VDD
B16	O	FAULT	H1	—	VDD	R16	O	RCLOCK1	V7	—	GND
B17	I/O	SYSAD45	H2	I/O	SYSAD32	R17	I/O	SYSAD30	V8	—	VDD
B18	—	VDD	H3	I	INT4	R18	—	GND	V9	—	GND
C1	—	VDD	H16	I/O	SYSADC5	T1	—	GND	V10	—	VDD
C2	I/O	SYSAD4	H17	I	JTCK	T2	I/O	SYSAD20	V11	—	GND
C3	I/O	SYSAD36	H18	—	GND	T3	I/O	SYSAD52	V12	—	VDD
C4	I/O	SYSAD5	J1	—	GND	T4	I/O	SYSAD21	V13	—	GND
C5	I	WRRDY	J2	I/O	SYSAD0	T5	I	RDRDY	V14	—	VDD
C6	I/O	SYSAD38	J3	I	INT3	T6	I/O	SYSAD54	V15	I/O	SYSAD59
C7	I/O	SYSAD39	J16	I	SYNCIN	T7	I/O	SYSAD55	V16	—	GND
C8	I/O	SYSADC0	J17	I	MASTERCLOCK	T8	I/O	SYSADC2	V17	—	VDD
C9	I/O	SYSCMD5	J18	—	VDD	T9	—	VDD	V18	—	GND
C10	I/O	SYSAD40	K1	—	VDD	T10	I/O	SYSAD56			

INPUT

COLDRESET	: COLD RESET
EXTRQST	: EXTERNAL REQUEST
INT0 - INT5	: INTERRUPT
IOIN	: (RESERVED FOR FUTURE INPUT)
JTCK	: JTAG CLOCK
JTDI	: JTAG DATA
JTMS	: JTAG COMMAND
MASTERCLOCK	: MASTER CLOCK
MODEIN	: BOOT MODE DATA
NMI	: NON-MASKABLE INTERRUPT
RESET	: RESET
RDRDY	: READ READY
SYNCIN	: SYNCHRONIZATION CLOCK
VALIDIN	: VALID
VDDOK	: VDD IS OK
WRRDY	: WRITE READY

OUTPUT

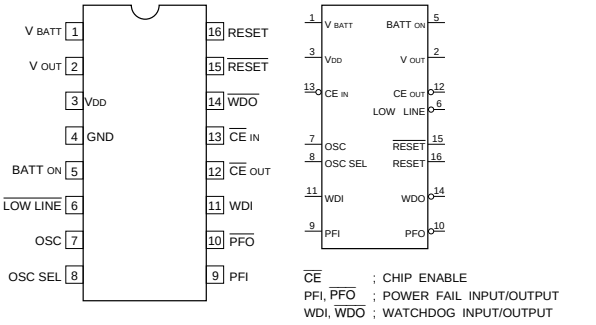
FAULT	: FAULT
IOOUT	: (RESERVED FOR FUTURE OUTPUT)
JTDO	: JTAG DATA
MASTEROUT	: MASTER CLOCK
MODECLOCK	: BOOT MODE CLOCK
RCLOCK0, RCLOCK1	: RECEIVE CLOCKS
RELEASE	: RELEASE INTERFACE
SYNCOUT	: SYNCHRONIZATION CLOCK
TCLOCK0, TCLOCK1	: TRANSMIT CLOCKS
VALIDOUT	: VALID

INPUT/OUTPUT

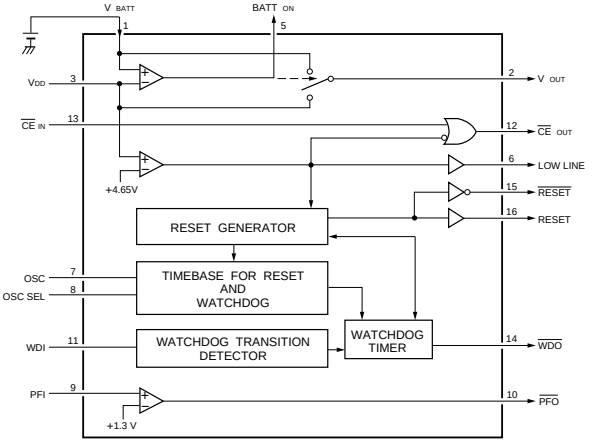
SYSAD0 - SYSAD63	: SYSTEM ADDRESS/DATA BUS
SYSADC0 - SYSADC7	: SYSTEM ADDRESS/DATA CHECK BUS
SYSCMD0 - SYSCMD8	: SYSTEM COMMAND/DATA IDENTIFIER BUS
SYSCMDP	: RESERVED SYSTEM COMMAND/DATA IDENTIFIER BUS PARITY

MAX693ACSE (MAXIM)

C-MOS MICROPROCESSOR SUPERVISORY CIRCUITS
—TOP VIEW—

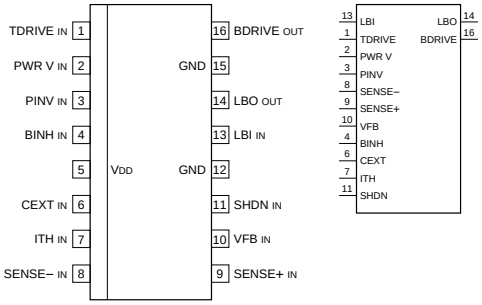


CE ; CHIP ENABLE
PFI, PFO ; POWER FAIL INPUT/OUTPUT
WDI, WDO ; WATCHDOG INPUT/OUTPUT



LTC1266CS-E2 (LINEAR)

C-MOS SYNCHRONOUS SWITCHING REGULATOR CONTROLLER
—TOP VIEW—

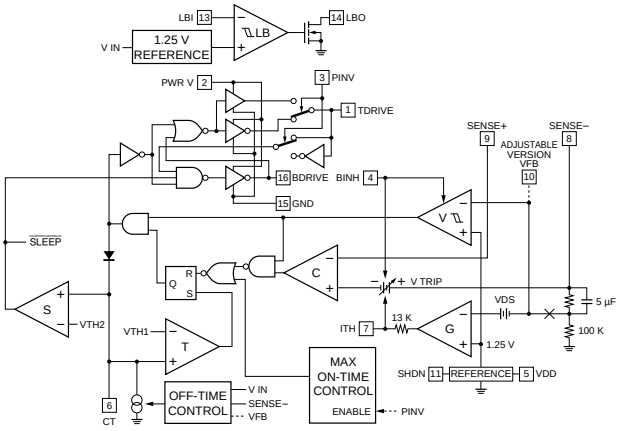


INPUT

BINH	:	BURST MODE INHIBIT
CEXT	:	EXTERNAL CAPACITOR
ITH	:	DE-COUPLING FOR GAIN-UP
LBI	:	LOW BATTERY COMPARATOR
PINV	:	TOP SIDE DRIVER PHASE INVERT
PWR V	:	POWER VOLTAGE FOR DRIVER STAGE
SENSE+	:	CURRENT COMPARATOR POSITIVE
SENSE–	:	CURRENT COMPARATOR NEGATIVE
SHDN	:	SHUTDOWN CONTROL
TDRIVE	:	CURRENT DRIVE FOR TOP SIDE MOSFET
VFB	:	FEEDBACK VOLTAGE

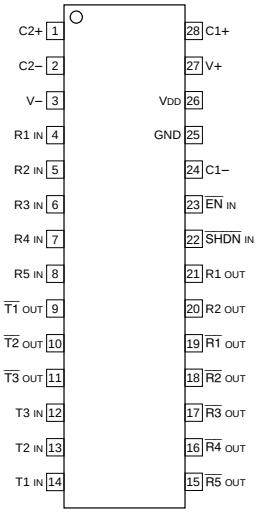
OUTPUT

BDRIVE	:	CURRENT DRIVE FOR BOTTOM SIDE MOSFET
LBO	:	LOW BATTERY COMPARATOR

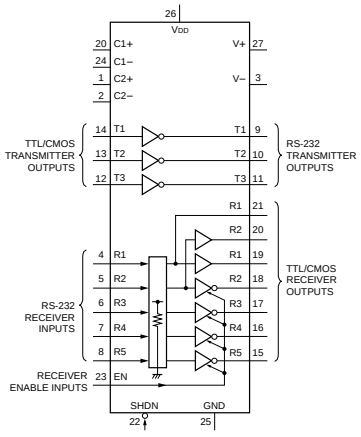


MAX3241CAI-TE2 (MAXIM)

C-MOS 3.0 V TO 5.5 V POWERED RA-232 DRIVER / RECEIVER
—TOP VIEW—

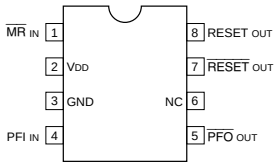


EN	;	RECEIVER ENABLE
R	;	RS-232 RECEIVER
SHDN	;	SHUTDOWN CONTROL
T	;	RS-232 TRANSMITTER



MAX708CSA (MAXIM)
MAX708SCSA (MAXIM)

C-MOS MICROPROCESSOR SUPERVISORY CIRCUIT
—TOP VIEW—

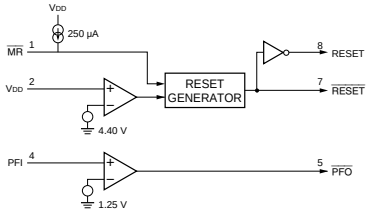


INPUT

MR	:	MANUAL RESET
PFI	:	POWER FAIL

OUTPUT

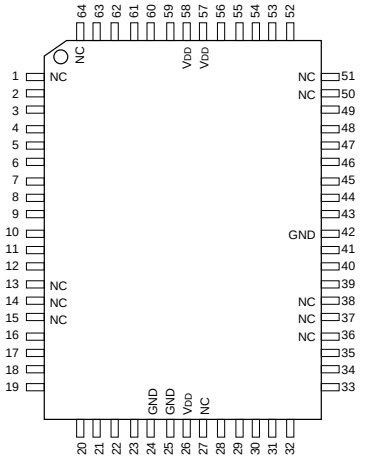
PFO	:	POWER FAIL



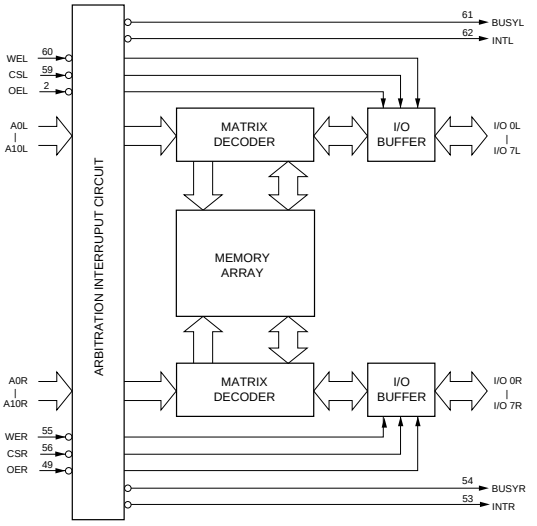
MB8421-90LPFQ (FUJITSU)(ACCESS TIME=90 nS)

C-MOS 16,384 (2 K × 8)-BIT DUAL PORT SRAM

—TOP VIEW—



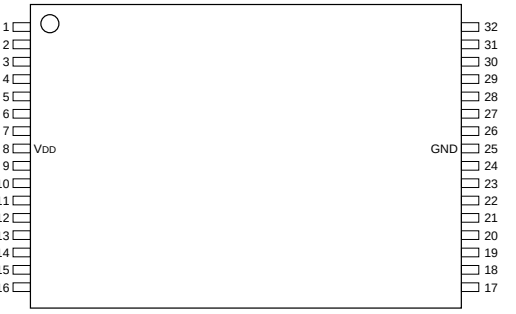
A0L - A10L, A0R - A10R	:	ADDRESS INPUTS
I/O0L - I/O7L, I/O0R - I/O7R	:	DATA INPUTS/OUTPUTS
$\overline{CSL}$, $\overline{CSR}$	:	CHIP SELECT INPUT
$\overline{WEL}$, $\overline{WER}$	:	WRITE ENABLE INPUT
$\overline{OEL}$, $\overline{OER}$	:	OUTPUT ENABLE INPUT
$\overline{BUSYL}$, $\overline{BUSYR}$	:	BUSY OUTPUT
$\overline{INTL}$, $\overline{INTR}$	:	INTERRUPT OUTPUT

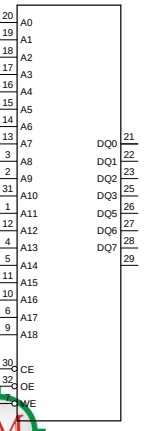


MBM29F040C-90PFTN (FUJITSU)

C-MOS 4 M (524,288 × 8)-BIT SECTOR ERASE FLASH MEMORY

—TOP VIEW—





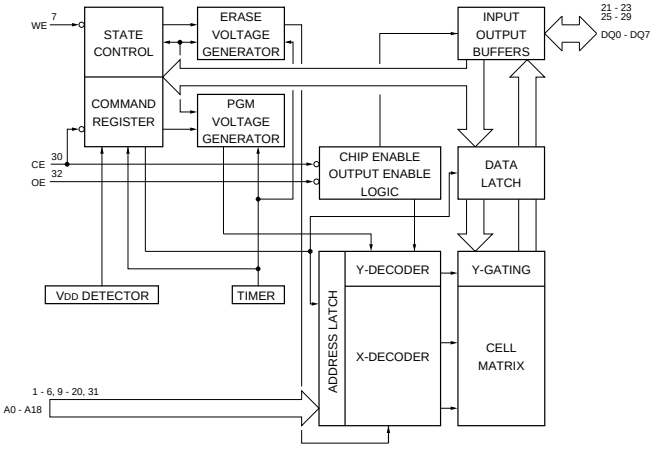
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A11	17	I	A3
2	I	A9	18	I	A2
3	I	A8	19	I	A1
4	I	A13	20	I	A0
5	I	A14	21	I/O	DQ0
6	I	A17	22	I/O	DQ1
7	I	$\overline{WE}$	23	I/O	DQ2
8	—	VDD	24	—	GND
9	I	A18	25	I/O	DQ3
10	I	A16	26	I/O	DQ4
11	I	A15	27	I/O	DQ5
12	I	A12	28	I/O	DQ6
13	I	A7	29	I/O	DQ7
14	I	A6	30	I	$\overline{CE}$
15	I	A5	31	I	A10
16	I	A4	32	I	$\overline{OE}$

INPUT

A0 - A18 : ADDRESS
$\overline{CE}$: CHIP ENABLE
$\overline{OE}$: OUTPUT ENABLE
$\overline{WE}$: WRITE ENABLE

INPUT/OUTPUT

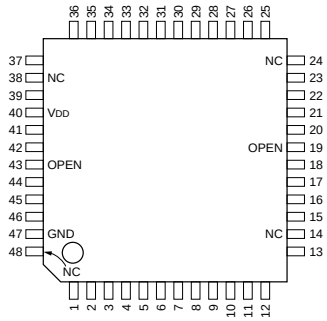
DQ0 - DQ7 : DATA



MB89371AH-PF (FUJITSU)

C-MOS DUAL SERIAL DATA TRANSMITTER / RECEIVER UNIT

—TOP VIEW—



NC ; NON CONNECT TERMINAL (OPEN)
OPEN ; NEVER CONNECT TERMINAL

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I/O	DB4	17	O	TRNRDY2	33	I	CLOCK
2	I/O	DB5	18	I/O	SYNC/BRK2	34	I	RST
3	I/O	DB6	19	—	OPEN	35	I	DSR1
4	I/O	DB7	20	I	CTS2	36	O	RTS1
5	I	TRNCLK1	21	O	TRNEMP2/ST1-2	37	I	DTR1
6	I	W	22	O	TRNDT2	38	—	NC
7	I	CS1	23	O	DSR2	39	I	RCVCLK1
8	I	RSLCT0	24	—	NC	40	—	VDD
9	I	R	25	O	RTS2	41	I/O	DB0
10	O	RCVRDY1	26	O	DTR2	42	I/O	DB1
11	I	RSLCT1	27	I	RCVCLK2	43	—	OPEN
12	I	CS2	28	O	TRNRDY1	44	I/O	DB2
13	I	RCVDT2	29	I/O	SYNC/BRK1	45	I/O	DB3
14	—	NC	30	I	CTS1	46	I	RCVDT1
15	I	TRNCLK2	31	O	TRNEMP1/ST1-1	47	—	GND
16	O	RCVRDY2	32	O	TRNDT1	48	—	NC

INPUT

CLOCK	;	CLOCK (4,9152 MHz) FOR REFERENCE OF TIMING
CSn	;	CHIP SELECT OF CHANNELn. (n = 1 OR 2)
CTSn	;	CLEAR TO SEND OF CHANNELn. (n = 1 OR 2)
DSRn	;	DATA SET READY OF CHANNELn. (n = 1 OR 2)
R	;	READ ENABLE
RCVCLKn	;	RECEIVER CLOCK OF CHANNELn. (n = 1 OR 2)
RCVDTn	;	RECEIVE DATA OF CHANNELn. (n = 1 OR 2)
RSLCTn	;	REGISTERS SELECT LINEn. (n = 0 AND 1)
RST	;	RESET PULSE
TRNCLKn	;	TRANSMITTER CLOCK OF CHANNELn. (n = 1 OR 2)
W	;	WRITE ENABLE

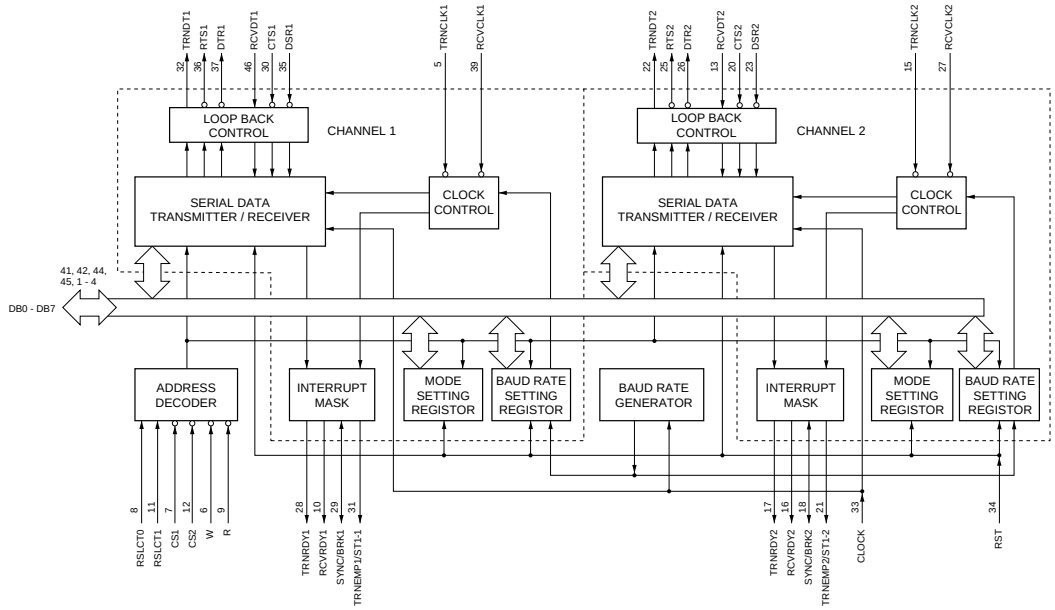
OUTPUT

DTRn	;	DATA TERMINAL READY OF CHANNELn. (n = 1 OR 2)
RCVRDYn	;	RECEIVER READY OF CHANNELn. (n = 1 OR 2)
RTSn	;	REQUEST TO SEND OF CHANNELn. (n = 1 OR 2)
TRNDTn	;	TRANSMIT DATA OF CHANNELn. (n = 1 OR 2)
TRNEMPn/ST1-n	;	TRANSMITTER EMPTY / BAUD RATE CLOCK OUT OF CHANNELn. (n = 1 OR 2)
TRNRDYn	;	TRANSMIT READY OF CHANNELn. (n = 1 OR 2)

INPUT/OUTPUT

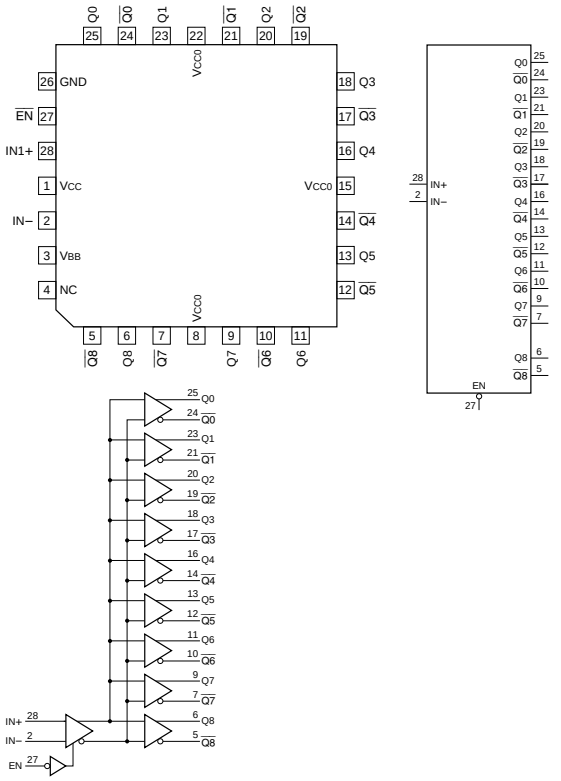
DBn	;	DATA BUS LINEn. (n = 0 TO 7)
SYNC/BRKn	;	SYNCHRONIZATION CHARACTOR / BREAK CODE DETECT OF CHANNELn. (n = 1 OR 2)

NC	;	NON CONNECT TERMINAL (OPEN)
OPEN	;	NEVER CONNECT TERMINAL



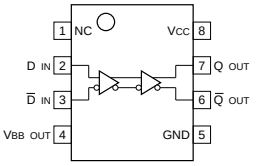
MC10E111FNR2 (MOTOROLA)FLAT PACKAGE

1-TO-9 DIFFERENTIAL CLOCK DRIVER
—TOP VIEW—



MC10EL16DR2 (MOTOROLA)FLAT PACKAGE

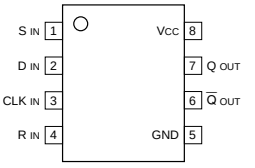
ECL DIFFERENTIAL RECEIVER
—TOP VIEW—

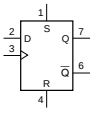


D ; DATA INPUT
Q ; DATA OUTPUT
VBB ; REFERENCE VOLTAGE OUTPUT

MC10EL31DR2 (MOTOROLA)FLAT PACKAGE

D FLIP-FLOP WITH SET AND RESET
—TOP VIEW—



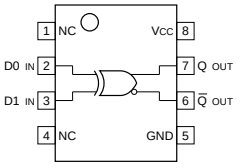


INPUTS				OUTPUTS	
D	CLK	S	R	Q	$\overline{Q}$
0	↓	0	0	0	1
1	↓	0	0	1	0
×	×	1	0	1	0
×	×	0	1	0	1
×	×	1	1	U	U

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
U : UNDEFINED

MC10EL07DR2 (MOTOROLA)FLAT PACKAGE

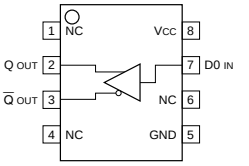
ECL 2-INPUT XOR / XNOR
—TOP VIEW—



D0, D1 ; DATA INPUT
Q ; DATA OUTPUT

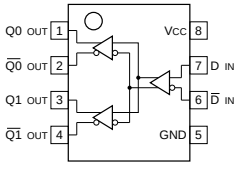
MC10ELT20D (MOTOROLA)

TTL TO DIFFERENTIAL PECL TRANSLATOR
—TOP VIEW—



MC10EL11DR2 (MOTOROLA)FLAT PACKAGE

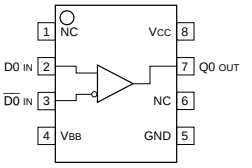
ECL 1:2 DIFFERENTIAL FANOUT BUFFER
—TOP VIEW—



D ; DATA INPUT
Q0, Q1 ; DATA OUTPUT

MC10ELT21DR2 (MOTOROLA)

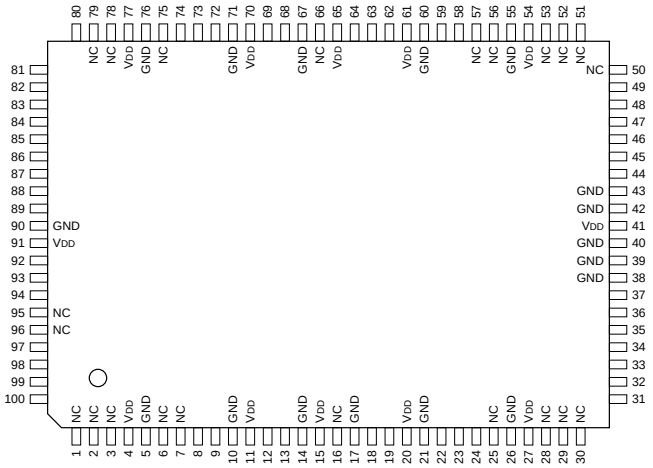
DIFFERENTIAL PECL TO TTL TRANSLATOR
—TOP VIEW—



MT58LC128K18B3LG-10TR (MICRON)

C-MOS (128 K × 18)-BIT SYNCBURST SRAM

—TOP VIEW—



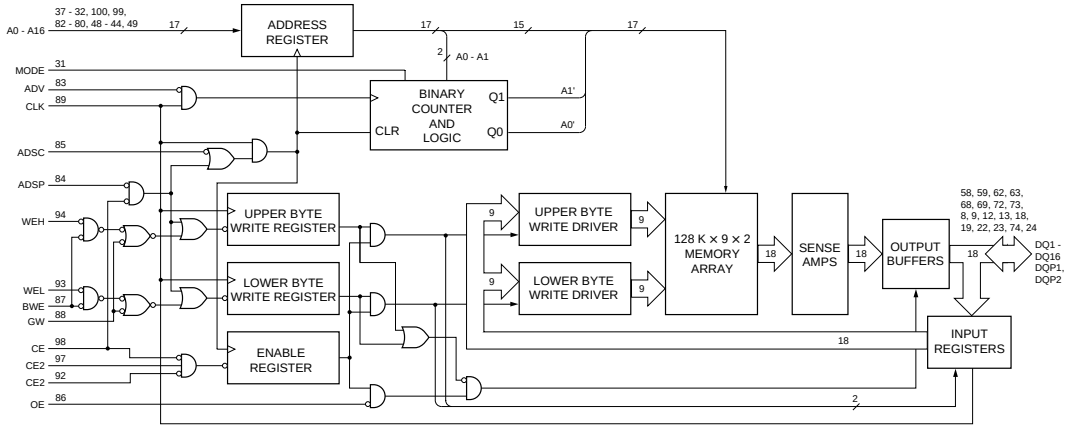
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	26	—	GND	51	—	NC	76	—	GND
2	—	NC	27	—	VDD	52	—	NC	77	—	VDD
3	—	NC	28	—	NC	53	—	NC	78	—	NC
4	—	VDD	29	—	NC	54	—	VDD	79	—	NC
5	—	GND	30	—	NC	55	—	GND	80	I	A10
6	—	NC	31	I	MODE	56	—	NC	81	I	A9
7	—	NC	32	I	A5	57	—	NC	82	I	A8
8	I/O	DQ9	33	I	A4	58	I/O	DQ1	83	I	$\overline{\text{ADV}}$
9	I/O	DQ10	34	I	A3	59	I/O	DQ2	84	I	$\overline{\text{ADSP}}$
10	—	GND	35	I	A2	60	—	GND	85	I	$\overline{\text{ADSC}}$
11	—	VDD	36	I	A1	61	—	VDD	86	I	$\overline{\text{OE}}$
12	I/O	DQ11	37	I	A0	62	I/O	DQ3	87	I	$\overline{\text{BWE}}$
13	I/O	DQ12	38	—	GND	63	I/O	DQ4	88	I	$\overline{\text{GW}}$
14	—	GND	39	—	GND	64	I	ZZ	89	I	CLK
15	—	VDD	40	—	GND	65	—	VDD	90	—	GND
16	—	NC	41	—	VDD	66	—	NC	91	—	VDD
17	—	GND	42	—	GND	67	—	GND	92	I	$\overline{\text{CE2}}$
18	I/O	DQ13	43	—	GND	68	I/O	DQ5	93	I	$\overline{\text{WEL}}$
19	I/O	DQ14	44	I	A15	69	I/O	DQ6	94	I	$\overline{\text{WEH}}$
20	—	VDD	45	I	A14	70	—	VDD	95	—	NC
21	—	GND	46	I	A13	71	—	GND	96	—	NC
22	I/O	DQ15	47	I	A12	72	I/O	DQ7	97	I	CE2
23	I/O	DQ16	48	I	A11	73	I/O	DQ8	98	I	$\overline{\text{CE}}$
24	I/O	DQP2	49	I	A16	74	I/O	DQP1	99	I	A7
25	—	NC	50	—	NC	75	—	NC	100	I	A6

INPUT

A0 - A16 : SYNCHRONOUS ADDRESS
ADSC : SYNCHRONOUS ADDRESS STATUS CONTROLLER
ADSP : SYNCHRONOUS ADDRESS STATUS PROCESSOR
ADV : SYNCHRONOUS ADDRESS ADVANCE
BWE : BYTE WRITE ENABLE
CE, CE2 : SYNCHRONOUS CHIP ENABLE
CLK : CLOCK
GW : $\overline{\text{GLOBAL WRITE}}$
MODE : $\overline{\text{LINEAR}}$ $\overline{\text{BURST}}$/INTERLEAVED BURST SELECT
OE : OUTPUT ENABLE
WEH, WEL : SYNCHRONOUS BYTE WRITE ENABLES
ZZ : SNOOZE ENABLE

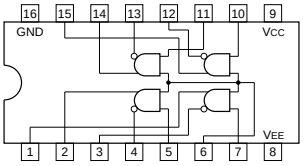
INPUT/OUTPUT

DQ1 - DQ16 : SRAM DATA
DQP1, DQP2 : PARITY DATA



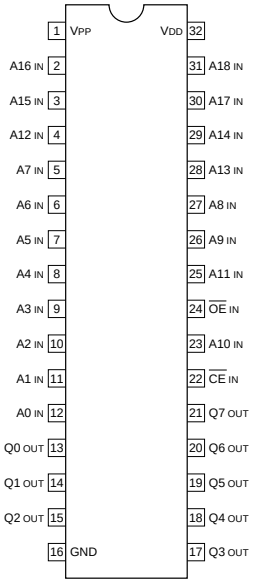
MC10H124M (MOTOROLA)FLAT PACKAGE
MC10H124MEL

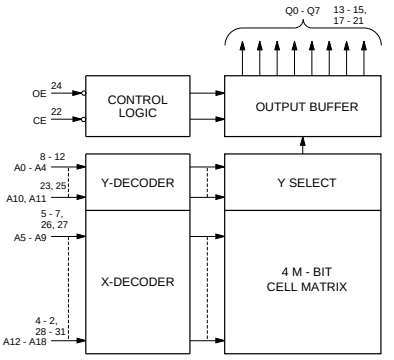
ECL TTL-TO-ECL TRANSLATOR
—TOP VIEW—



MX27C4000MC-12 (MACRONIX)

C-MOS 4 M (512 K × 8)-BIT ERASABLE PROM
—TOP VIEW—





INPUT
A0 - A18 ; ADDRESS
CE ; CHIP ENABLE
OE ; OUTPUT ENABLE

OUTPUT
Q0-Q7 ; DATA

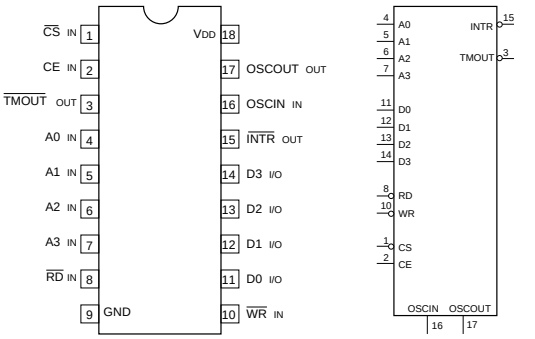
OTHER
VPP ; PROGRAM POWER SUPPLY

MODE \ TERMINAL	CE	OE	A0	A9	VPP	OUTPUT
READ	0	0	×	×	+5 V	D OUT
OUTPUT DISABLE	0	1	×	×	+5 V	HI-Z
STANDBY (TTL)	1	×	×	×	+5 V	HI-Z
STANDBY (CMOS)	VDD±0.3 V	×	×	×	+5 V	HI-Z
PROGRAM	0	1	×	×	+12.5 V	D IN
PROGRAM VERIFY	1	0	×	×	+12.5 V	D OUT
PROGRAM INHIBIT	1	×	×	×	+12.5 V	HI-Z

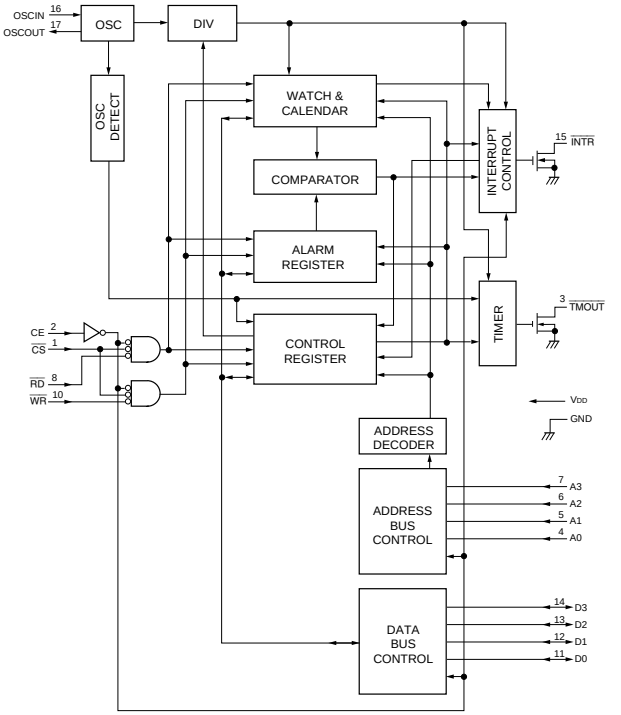
0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

RF5C62 (RICOH)FLAT PACKAGE
RF5C62-E2

C-MOS REAL TIME CLOCK
—TOP VIEW—



A0 - A3 ; ADDRESS BUS INPUTS
CE ; CHIP ENABLE INPUT
CS ; CHIP SELECT INPUT
D0 - D3 ; DATA BUS INPUTS/OUTPUTS
INTR ; INTRUDE OUTPUT
OSCIN ; CRYSTAL/CLOCK INPUT
OSCOUT ; CRYSTAL/CLOCK OUTPUT
RD ; READ STROBE INPUT
TMOUT ; TIMER OUTPUT
WR ; WRITE STROBE INPUT

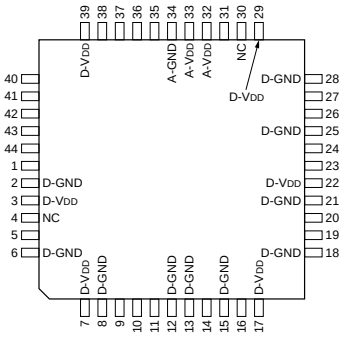


http://getMANUAL.com

S4405B-80 (AMC)

C-MOS CLOCK GENERATOR

—TOP VIEW—



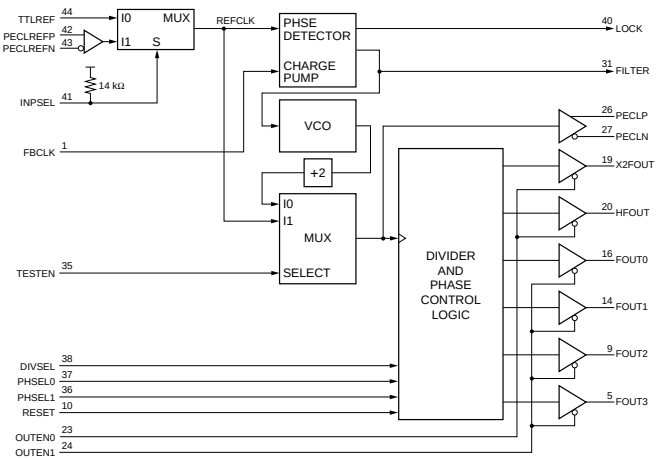
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	FBCLK	12	—	D-GND	23	I	OUTEN0	34	—	A-GND
2	—	D-GND	13	—	D-GND	24	I	OUTEN1	35	I	TESTEN
3	—	D-VDD	14	O	FOUT1	25	—	D-GND	36	I	PHSEL1
4	—	NC	15	—	D-GND	26	O	PECLP	37	I	PHSEL0
5	O	FOUT3	16	O	FOUT0	27	O	PECLN	38	I	DIVSEL
6	—	D-GND	17	—	D-VDD	28	—	D-GND	39	—	D-VDD
7	—	D-VDD	18	—	D-GND	29	—	D-VDD	40	O	LOCK
8	—	D-GND	19	O	X2FOUT	30	—	NC	41	I	INPSEL
9	O	FOUT2	20	O	HFOUT	31	O	FILTER	42	I	PECLREFP
10	I	RESET	21	—	D-GND	32	—	A-VDD	43	I	PECLREFN
11	—	D-VDD	22	—	D-VDD	33	—	A-VDD	44	I	TTLREF

INPUT

DIVSEL	:	DIVIDER SELECT
FBCLK	:	FEEDBACK CLOCK
INPSEL	:	INPUT SELECT
OUTEN0	:	HFOUT AND X2FOUT CONTROLLING
OUTEN1	:	FOUT0 - 3 CONTROLLING
PECLREFP	:	DIFFERENTIAL PECL P
PECLREFN	:	DIFFERENTIAL PECL N
PHSEL0 - PHSEL1	:	PHASE SELECTORS
RESET	:	RESET
TESTEN	:	TEST ENABLE
TTLREF	:	TTL REFERENCE CLOCK

OUTPUT

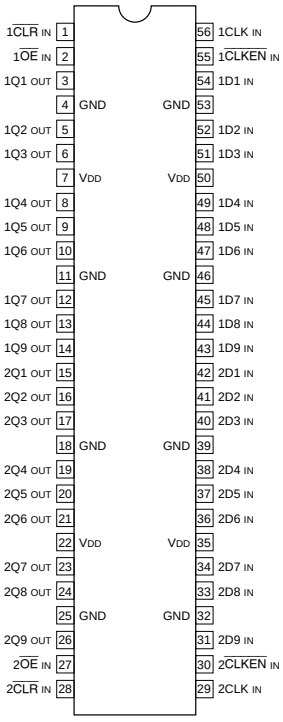
FILTER	:	FILTER
FOUT0 - FOUT3	:	TTL CLOCK OUTPUTS
HFOUT	:	TTL OUTPUT
LOCK	:	LOCK
PECLP	:	PSEUDO ECL OUTPUT
PECLN	:	PSEUDO ECL OUTPUT
X2FOUT	:	TTL OUTPUT



SN74ABT16823DGGR (TI)FLAT PACKAGE

C-MOS 18-BIT BUS-INTERFACE FLIP-FLOPS WTIH 3-STATE OUTPUTS

—TOP VIEW—



INPUTS					OUTPUT
$\overline{OE}$	CLK	$\overline{CLKEN}$	CLK	D	Q
0	0	×	×	×	0
0	1	0	↓	1	1
0	1	0	↓	0	0
0	1	0	0	×	Q0
0	1	1	×	×	Q0
1	×	×	×	×	HI-Z

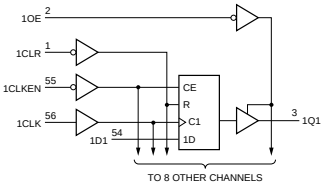
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

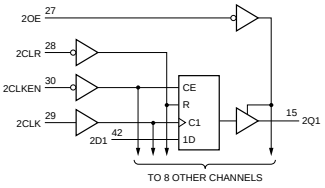
INPUT

1D1 - 1D9, 2D1 - 2D9	:	DATA
$1\overline{OE}$, $2\overline{OE}$	:	OUTPUT ENABLE
$1\overline{CLKEN}$, $2\overline{CLKEN}$	:	CLOCK ENABLE
$1\overline{CLR}$, $2\overline{CLR}$	:	CLEAR

OUTPUT

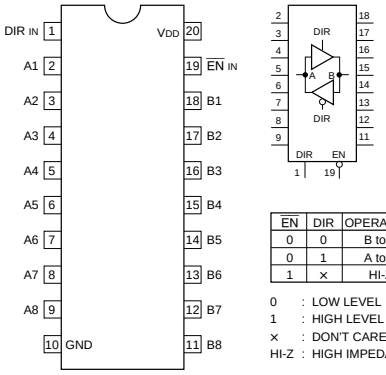
1Q1 - 1Q9, 2Q1 - 2Q9	:	DATA





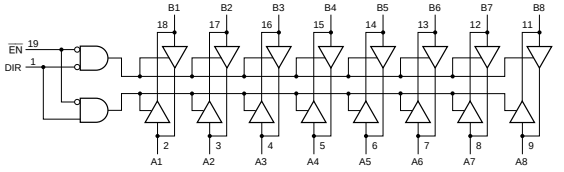
SN74ABT245BPW-E05 (TI)FLAT PACKAGE

C-MOS BILATERAL BUS TRANSCEIVERS WITH 3-STATE OUTPUTS
—TOP VIEW—



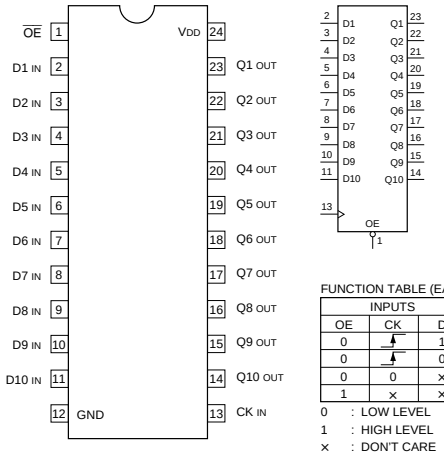
$\overline{EN}$	DIR	OPERATION
0	0	B to A
0	1	A to B
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE



SN74ABT821APW-E05 (TI)FLAT PACKAGE

C-MOS 10-BIT BUS INTERFACE FLIP-FLOPS WITH 3-STATE OUTPUTS
—TOP VIEW—

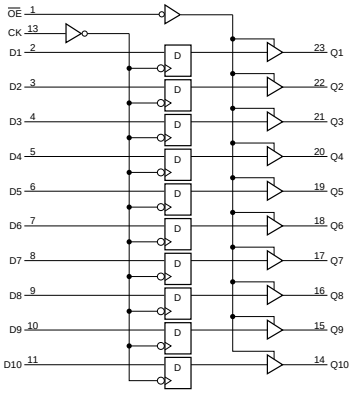


FUNCTION TABLE (EACH FLIP-FLOP)

INPUTS			OUTPUTS
OE	CK	D	Q
0	↑	1	1
0	↑	0	0
0	0	×	Q_0
1	×	×	HI-Z

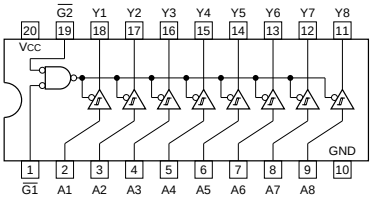
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

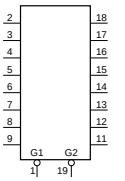
LOGIC DIAGRAM (POSITIVE LOGIC)

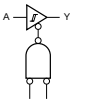


SN74ALS541N (TI)

TTL BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS
—TOP VIEW—





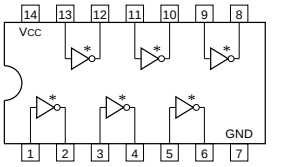


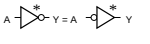
G1	G2	A	Y
0	0	0	0
0	0	1	1
1	×	×	HI-Z
×	1	×	HI-Z

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

SN74LS06N (TI)

TTL INVERTER BUFFER / DRIVER WITH OPEN-COLLECTOR
—TOP VIEW—





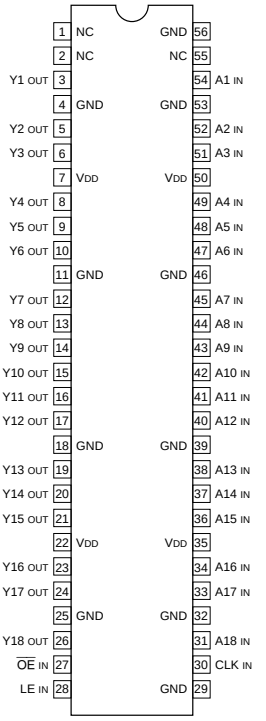
$Y = \overline{A}$

A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL
∗ ; OPEN COLLECTOR

SN74LVT16835DGGR (TI)FLAT PACKAGE

C-MOS 18-BIT UNIVERSAL BUS DRIVER WTIH 3-STATE OUTPUTS
—TOP VIEW—

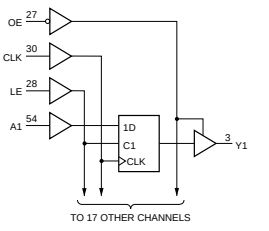


INPUTS				OUTPUT
$\overline{OE}$	LE	CLK	A	Y
1	×	×	×	HI-Z
0	1	×	0	0
0	1	×	1	1
0	0	↓	0	0
0	0	↓	1	1
0	0	1	×	Y0
0	0	0	×	Y0

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

INPUT
A1 - A18 : DATA
CLK : CLOCK
LE : LATCH ENABLE
$\overline{OE}$: OUTPUT ENABLE

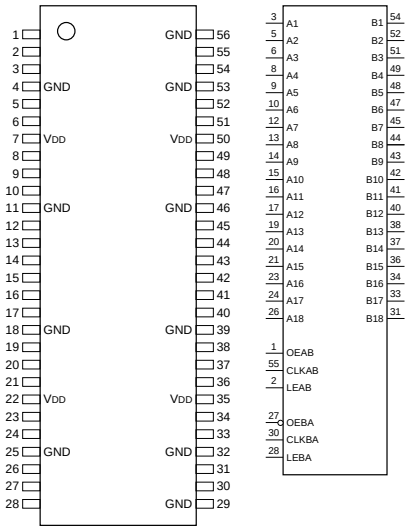
OUTPUT
Y1 - Y18 : DATA



SN74LVT16501DGGR (TI)FLAT PACKAGE

C-MOS 3-STATE 18-BIT UNIVERSAL BUS TRANSCEIVERS

—TOP VIEW—



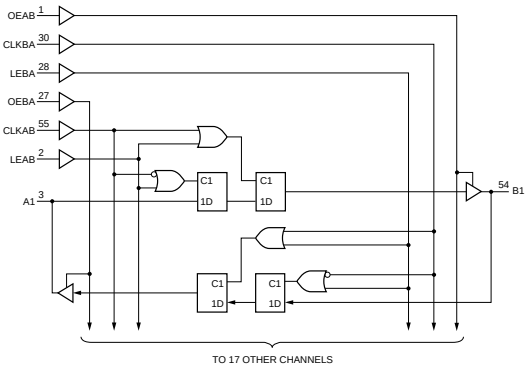
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	OEAB	15	I/O	A10	29	—	GND	43	I/O	B9
2	I	LEAB	16	I/O	A11	30	I	CLKBA	44	I/O	B8
3	I/O	A1	17	I/O	A12	31	I/O	B18	45	I/O	B7
4	—	GND	18	—	GND	32	—	GND	46	—	GND
5	I/O	A2	19	I/O	A13	33	I/O	B17	47	I/O	B6
6	I/O	A3	20	I/O	A14	34	I/O	B16	48	I/O	B5
7	—	V_{DD}	21	I/O	A15	35	—	V_{DD}	49	I/O	B4
8	I/O	A4	22	—	V_{DD}	36	I/O	B15	50	—	V_{DD}
9	I/O	A5	23	I/O	A16	37	I/O	B14	51	I/O	B3
10	I/O	A6	24	I/O	A17	38	I/O	B13	52	I/O	B2
11	—	GND	25	—	GND	39	—	GND	53	—	GND
12	I/O	A7	26	I/O	A18	40	I/O	B12	54	I/O	B1
13	I/O	A8	27	I	$\overline{OEBA}$	41	I/O	B11	55	I	CLKAB
14	I/O	A9	28	I	LEBA	42	I/O	B10	56	—	GND

INPUT

CLKAB : CLOCK (A-TO-B DATA FLOW)
CLKBA : CLOCK (B-TO-A DATA FLOW)
LEAB : LATCH ENABLE (A-TO-B DATA FLOW)
LEBA : LATCH ENABLE (B-TO-A DATA FLOW)
OEAB : OUTPUT ENABLE (A-TO-B DATA FLOW)
$\overline{OEBA}$: OUTPUT ENABLE (B-TO-A DATA FLOW)

INPUT/OUTPUT

A1 - A18 : A-BUS DATA
B1 - B18 : B-BUS DATA



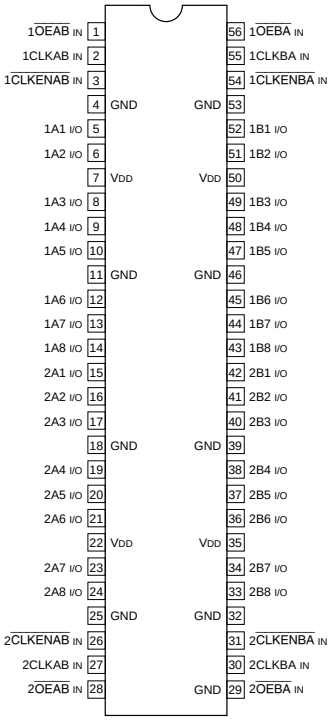
INPUTS				OUTPUT
OEAB	LEAB	CLKAB	A	B
0	×	×	×	HI-Z
1	1	×	0	0
1	1	×	1	1
1	0	↓	0	0
1	0	↓	1	1
1	0	1	×	Bo
1	0	0	×	Bo

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

SN74LVT16952DGGR (TI)FLAT PACKAGE

C-MOS 16-BIT REGISTERED TRANSCEIVERS WTIH 3-STATE OUTPUTS

—TOP VIEW—



INPUTS				OUTPUT
CLKENAB	CLKAB	OEAB	A	B
1	×	0	×	B0
×	0	0	×	B0
0	↑	0	0	0
0	↑	0	1	1
×	×	1	×	HI-Z

A-to-B data flow is shown; B-to-A data flow is similar but uses $\overline{CLKENBA}$, CLKBA and $\overline{OEBA}$

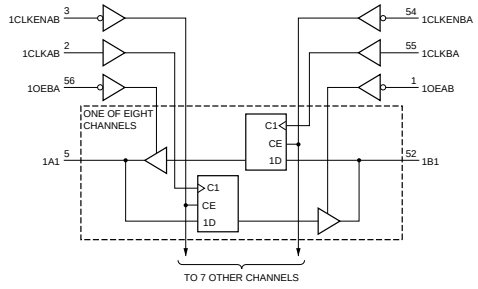
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

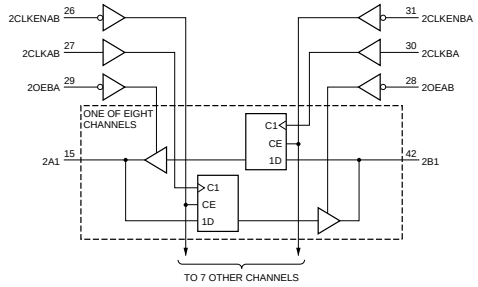
INPUT

$1\overline{OEAB}$, $1\overline{OEBA}$, $2\overline{OEAB}$, $2\overline{OEBA}$: OUTPUT ENABLE
$1\overline{CLKENAB}$, $1\overline{CLKENBA}$, $2\overline{CLKENAB}$, $2\overline{CLKENBA}$: CLOCK ENABLE
1CLAB, 1CLBA, 2CLAB, 2CLBA : CLOCK

INPUT/OUTPUT

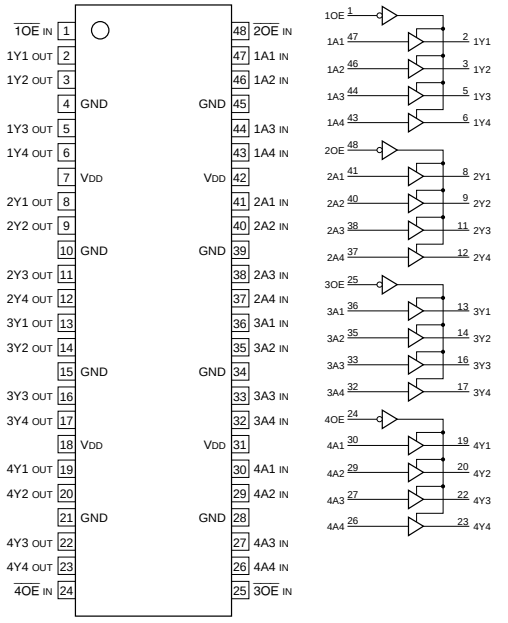
1A1 - 1A8, 2A1 - 2A8 : A BUS DATA
1B1 - 1B8, 2B1 - 2B8 : B BUS DATA





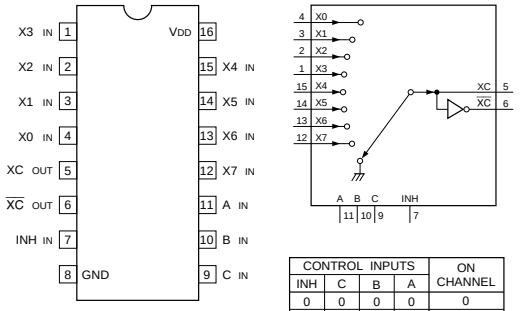
SN74LVTH162244DGGR (TI)FLAT PACKAGE

C-MOS 16-BIT BUFFERS/DRIVERS
—TOP VIEW—



TC74AC151F (TOSHIBA)FLAT PACKAGE

C-MOS 8-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
—TOP VIEW—

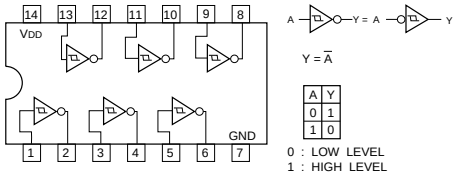


CONTROL INPUTS				ON CHANNEL
INH	C	B	A	
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	×	×	×	GND

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74ACT14FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS HEX SCHMITT TRIGGER INVERTERS
—TOP VIEW—

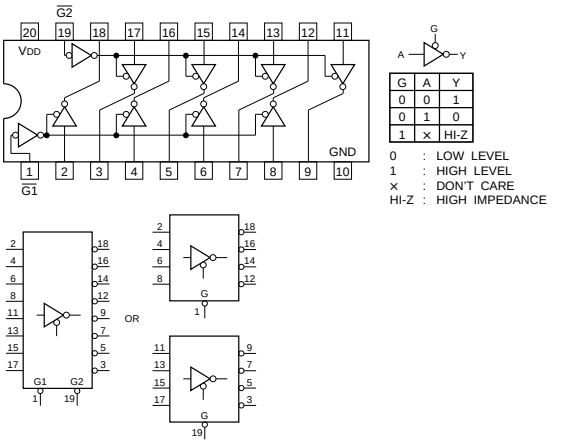


A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

TC74AC240F-EL (TOSHIBA)FLAT PACKAGE

C-MOS 3-STATE INVERTER/LINE DRIVER
—TOP VIEW—

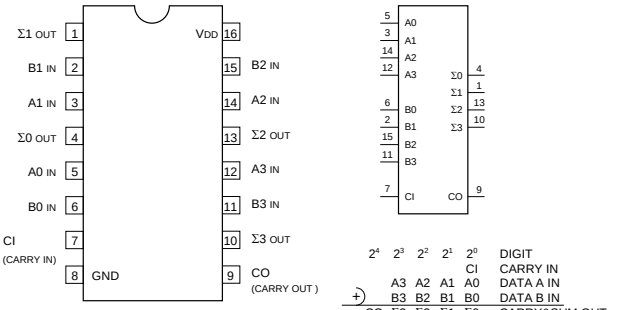


G	A	Y
0	0	1
0	1	0
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

TC74AC283F (TOSHIBA)FLAT PACKAGE

C-MOS 4-BIT BINARY FULL ADDER
—TOP VIEW—

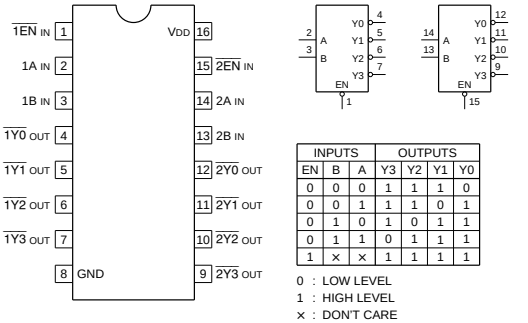


2^4 2^3 2^2 2^1 2^0 DIGIT
CI CARRY IN
A3 A2 A1 A0 DATA A IN
\+ B3 B2 B1 B0 DATA B IN
CO Σ3 Σ2 Σ1 Σ0 CARRY&SUM OUT

EX. 1 CI
\+ 1 0 1 1 A
1 0 1 1 0 B
1 0 1 1 0 OUTPUTS
CO Σ3 Σ2 Σ1 Σ0

TC74ACT139FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL 2-TO-4 DECODER/DEMULTIPLEXER
—TOP VIEW—



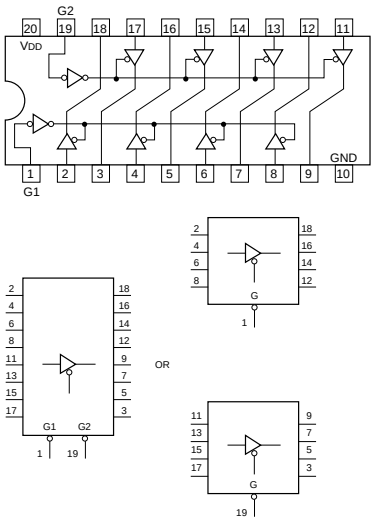
INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	×	×	1	1	1	1

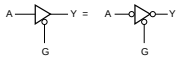
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

TC74ACT244FT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS BUS BUFFER WITH 3-STATE OUTPUTS

—TOP VIEW—





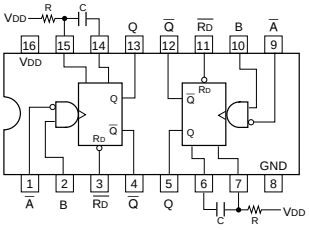
G	A	Y
0	0	0
0	1	1
1	×	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

TC74VHC123AFT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS

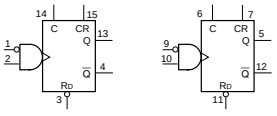
—TOP VIEW—



INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	×	×	0	1
1	1	×	0	1
1	×	0	0	1
1	0	↓	⊓	⊔
1	↑	1	⊓	⊔
↓	0	1	⊓	⊔

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

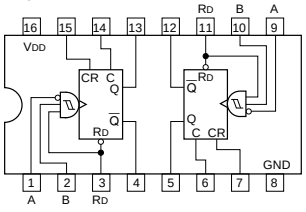
OUTPUT PULSE WIDTH = 0.46 CR



TC74VHC221AFT(EL) (TOSHIBA)FLAT PACKAGE

C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT

—TOP VIEW—



INPUTS			OUTPUTS	
RD	A	B	Q	$\overline{Q}$
0	×	×	0	1
×	1	×	0	1
×	×	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

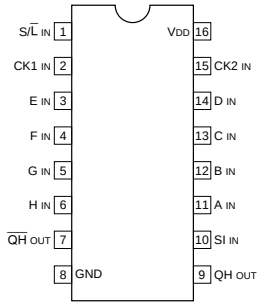
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE

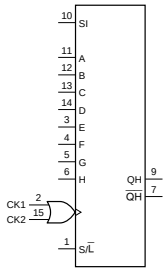
OUTPUT PULSE WIDTH = 0.7CR

TC74VHC165F (TOSHIBA)
TC74VHC165F(EL)

C-MOS SERIAL-OR PARALLEL-INPUT SHIFT REGISTER

—TOP VIEW—

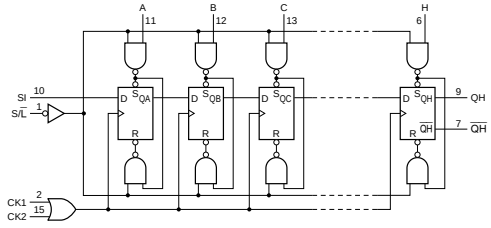




SI : SERIAL DATA IN
A-H : PARALLEL DATA IN
CK1, CK2 : CLOCK IN (⊓)
S/$\overline{L}$: SHIFT/LOAD IN
QH $\overline{QH}$: 8th BIT OUT (COMPLEMENTALY)

INPUTS				CONTENTS		OUTPUT	OPERATION
S/L	CK1+CK2	SI	A---------H	QA	QB-----	QH	
0	×	×	a---------h	a	b-----	h	PARALLEL LOAD
1	⊓	0	×	0	QAo---	QGo	RIGHT SHIFT
1	⊓	1	×	1	QAo---	QGo	
1	⊔	×	×	QAo	QBo---	QHo	NO COUNT
1	0	×	×	QAo	QBo---	QHo	
1	1	×	×	QAo	QBo---	QHo	

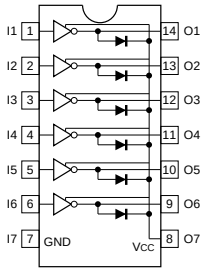
0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
a-h : LEVEL OF INPUTS A-H
QAo - QHo : LEVEL OF QA-QH BEFORE THE INDICATED INPUT CONDITIONS WERE ESTABLISHED

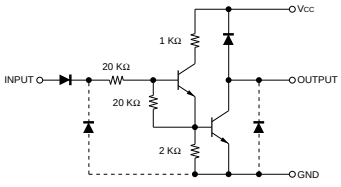


TD62306F (TOSHIBA)FLAT PACKAGE

LOW SATURATION DRIVER

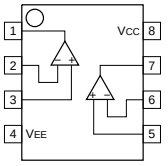
—TOP VIEW—





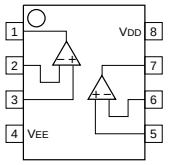
TL082CPS-E05
TL082M (TI)FLAT PACKAGE

DUAL OPERATIONAL AMPLIFIERS
(DUAL-SUPPLY TYPE)
—TOP VIEW—



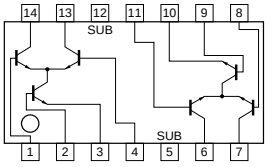
TLC272CPW-E05 (TI)FLAT PACKAGE

C-MOS DUAL OPERATIONAL AMPLIFIERS
(SINGLE-SUPPLY TYPE)
—TOP VIEW—



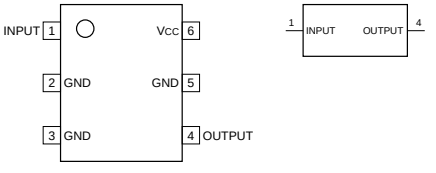
UPA102G-E1 (NEC)FLAT PACKAGE

HIGH FREQUENCY PNP TRANSISTOR ARRAY
—TOP VIEW—



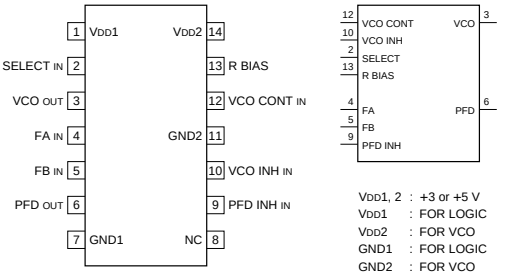
UPC2708T-E3 (NEC)

MIDDLE-OUTPUT HIGH-FREQUENCY WIDE-BAND AMPLIFIER
—TOP VIEW—



SN74LVT245APW-E05
TLC2932IPW (TI)

C-MOS VCO AND PHASE FREQUENCY DETECTOR
—TOP VIEW—

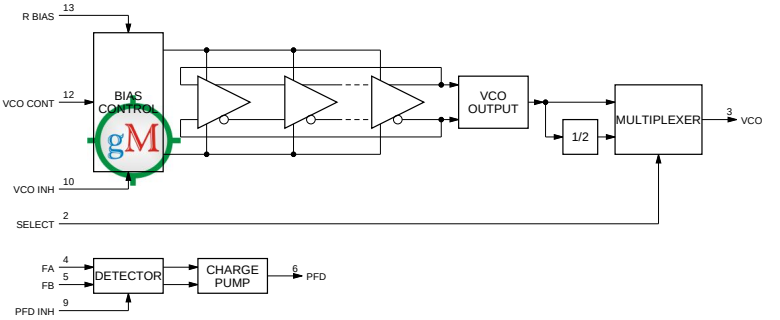


VDD1, 2 : +3 or +5 V
VDD1 : FOR LOGIC
VDD2 : FOR VCO
GND1 : FOR LOGIC
GND2 : FOR VCO

INPUT
FA : REFERENCE FREQUENCY
FB : INPUT FREQUENCY FROM OUTSIDE COUNTER
PFD INH : PFD INHIBIT
SELECT : VCO OUTPUT FREQUENCY SELECT
VCO CONT : VCO CONTROL VOLTAGE
VCO INH : VCO INHIBIT

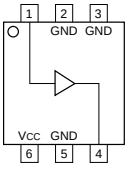
OUTPUT
PFD : PHASE FREQUENCY DETECTOR
VCO : VOLTAGE CONTROLLED OSCILLATOR

OTHER
R BIAS : BIAS RESISTOR FOR VCO OSCILLATION FREQUENCY SETTING



UPC2712T-E3 (NEC)FLAT PACKAGE

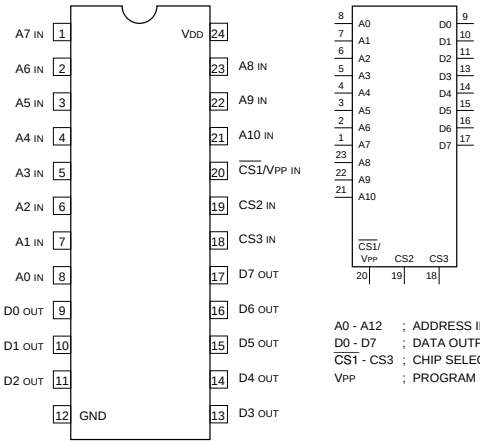
RF AMPLIFIER
—TOP VIEW—



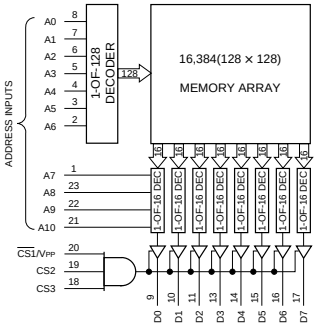
WS57C291C-35T (WAFERSCALE)

C-MOS 16 K-BIT (2,048 × 8) HIGH SPEED ERASABLE P-ROM

—TOP VIEW—



A0 - A12 ; ADDRESS INPUTS
D0 - D7 ; DATA OUTPUTS
$\overline{CS1}$ - CS3 ; CHIP SELECT INPUT
VPP ; PROGRAM POWER SUPPLY



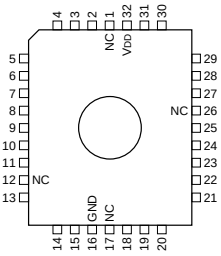
CHIP SEL			OUTPUT
$\overline{CS1}$/VPP	CS2	CS3	
0	1	1	ENABLE
1	0	×	HI-IMPEDANCE
1	×	0	

0 ; LOW LEVEL
1 ; HIGH LEVEL
× ; DON'T CARE

WS57C71C-35J (WAFERSCALE)

C-MOS 256 K (32 K × 8)-BIT EPROM

—TOP VIEW—



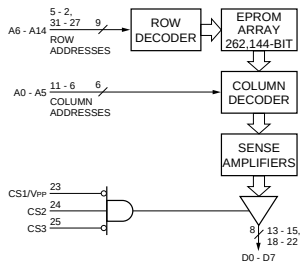
PINS				MODE
$\overline{CS1}$/VPP	CS2	$\overline{CS3}$	D0 - D7	
0	1	0	D OUT	READ
1	×	×	HI-Z	OUTPUT DISABLE
×	0	×	HI-Z	OUTPUT DISABLE
×	×	1	HI-Z	OUTPUT DISABLE
VPP	×	1	D IN	PROGRAM
0	1	0	D OUT	PROGRAM VERIFY
VPP	1	0	D OUT	PROGRAM INHIBIT

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	—	NC	17	—	NC
2	I	A9	18	O	D3
3	I	A8	19	O	D4
4	I	A7	20	O	D5
5	I	A6	21	O	D6
6	I	A5	22	O	D7
7	I	A4	23	I	$\overline{CS1}$/VPP
8	I	A3	24	I	$\overline{CS2}$
9	I	A2	25	I	$\overline{CS3}$
10	I	A1	26	—	NC
11	I	A0	27	I	A14
12	—	NC	28	I	A13
13	O	D0	29	I	A12
14	O	D1	30	I	A11
15	O	D2	31	I	A10
16	—	GND	32	—	VDD

INPUT
A0 - A14 : ADDRESS
CS1 - CS3 : CHIP SELECT
VPP : PROGRAM SUPPLY VOLTAGE

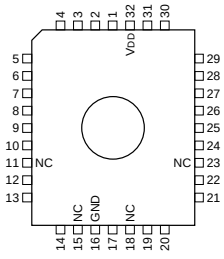
INPUT/OUTPUT
D0 - D7 : DATA



WS57C51C-35J (WAFERSCALE)

C-MOS 128 K (16 K × 8)-BIT EPROM

—TOP VIEW—



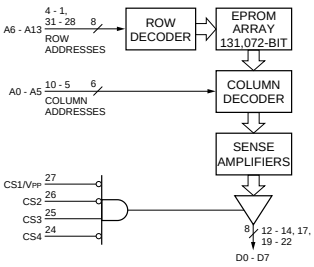
PINS				MODE	MODE
$\overline{CS1}$/VPP	$\overline{CS2}$	CS3	$\overline{CS4}$		
0	0	1	0	READ	DATA OUT
0	0	1	0	PROGRAM VERIFY	DATA OUT
VPP	1	×	×	PROGRAM	DATA IN
1	×	×	×	OUTPUT DISABLE	HI-Z
×	1	×	×	OUTPUT DISABLE	HI-Z
×	×	0	×	OUTPUT DISABLE	HI-Z
×	×	×	1	OUTPUT DISABLE	HI-Z

0 : LOW LEVEL
1 : HIGH LEVEL
× : DON'T CARE
HI-Z : HIGH IMPEDANCE

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	A9	17	O	D3
2	I	A8	18	—	NC
3	I	A7	19	O	D4
4	I	A6	20	O	D5
5	I	A5	21	O	D6
6	I	A4	22	O	D7
7	I	A3	23	—	NC
8	I	A2	24	I	$\overline{CS4}$
9	I	A1	25	I	CS3
10	I	A0	26	I	$\overline{CS2}$
11	—	NC	27	I	$\overline{CS1}$/VPP
12	O	D0	28	I	A13
13	O	D1	29	I	A12
14	O	D2	30	I	A11
15	—	NC	31	I	A10
16	—	GND	32	—	VDD

INPUT
A0 - A13 : ADDRESS
CS1 - CS4 : CHIP SELECT
VPP : PROGRAM SUPPLY VOLTAGE

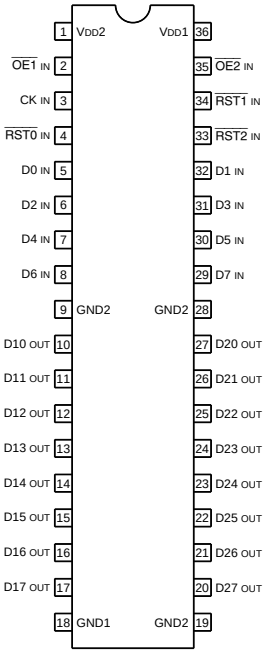
INPUT/OUTPUT
D0 - D7 : DATA

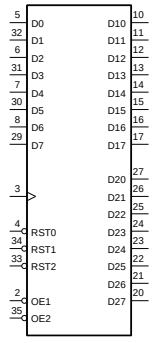


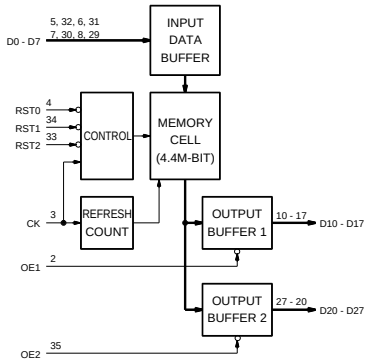
ZA4041 (TI)FLAT PACKAGE

C-MOS 4.4 M-BIT MUSE MEMORY

—TOP VIEW—







Section 3
Spare Parts

3-1. 補修部品注意事項

1. 安全重要部品
⚠印のついた部品は安全性を維持するために重要な部品です。したがって，交換する時は必ず指定の部品を使ってください。

2. 部品の共通化
ソニーから供給する補修用部品は，セットに使われているものと異なることがあります。
これは部品の共通化，改良等によるものです。
部品表には現時点での共通化された補修用部品が記載されています。

3. 部品の在庫
部品表のSP (Supply code) 欄に“o”で示される部品は在庫していないことがあり，納期が長くなることがあります。

4. 単位の表記
下記の単位については，表記を変更または省略しています。

単位		表記
静電容量	μF	uF
インダクタンス	μH	uH
抵抗値	Ω	省略
温度	°C	×××-DEG-C

3-1. Notes on Repair Parts

1. Safety Related Components Warning
Components marked ⚠ are critical to safe operation. Therefore, specified parts should be used in the case of replacement.

2. Standardization of Parts
Some repair parts supplied by Sony differ from those used for the unit. These are because of parts commonality and improvement.
Parts list has the present standardized repair parts.

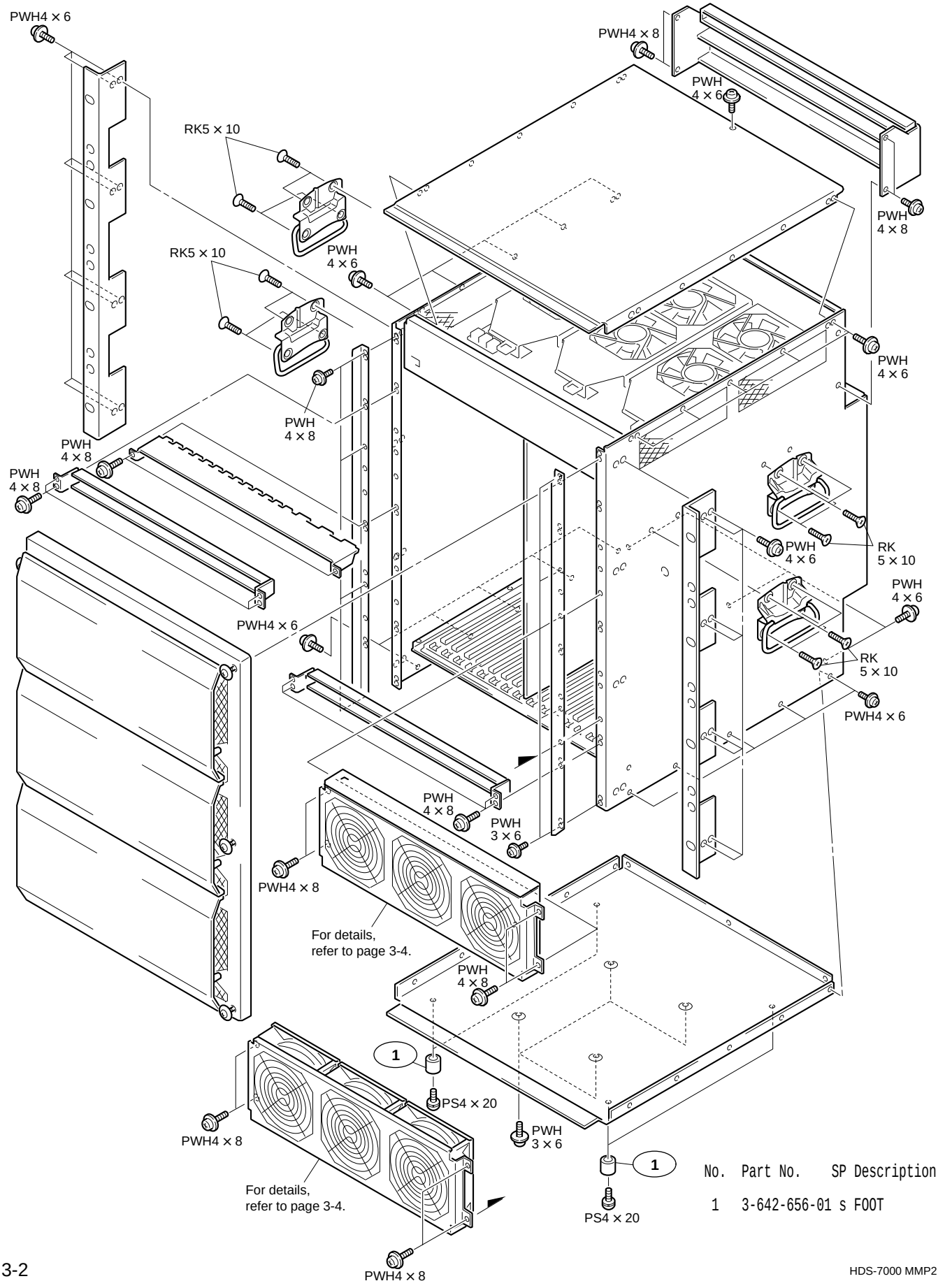
3. Stock of Parts
Parts marked with “o” at SP (Supply Code) column of the spare parts list may be not stocked. Therefore, the delivery date will be delayed.

4. Units Representation
The following represented units are changed or omitted in writing.

Units		Representation
Capacitance	μF	uF
Inductance	μH	uH
Resistance	Ω	Abbreviation
Temperature	°C	XXX-DEG-C

3-2. Exploded Views

HDS-7000 Chassis



No.	Part No.	SP	Description
1	3-642-656-01	s	FOOT

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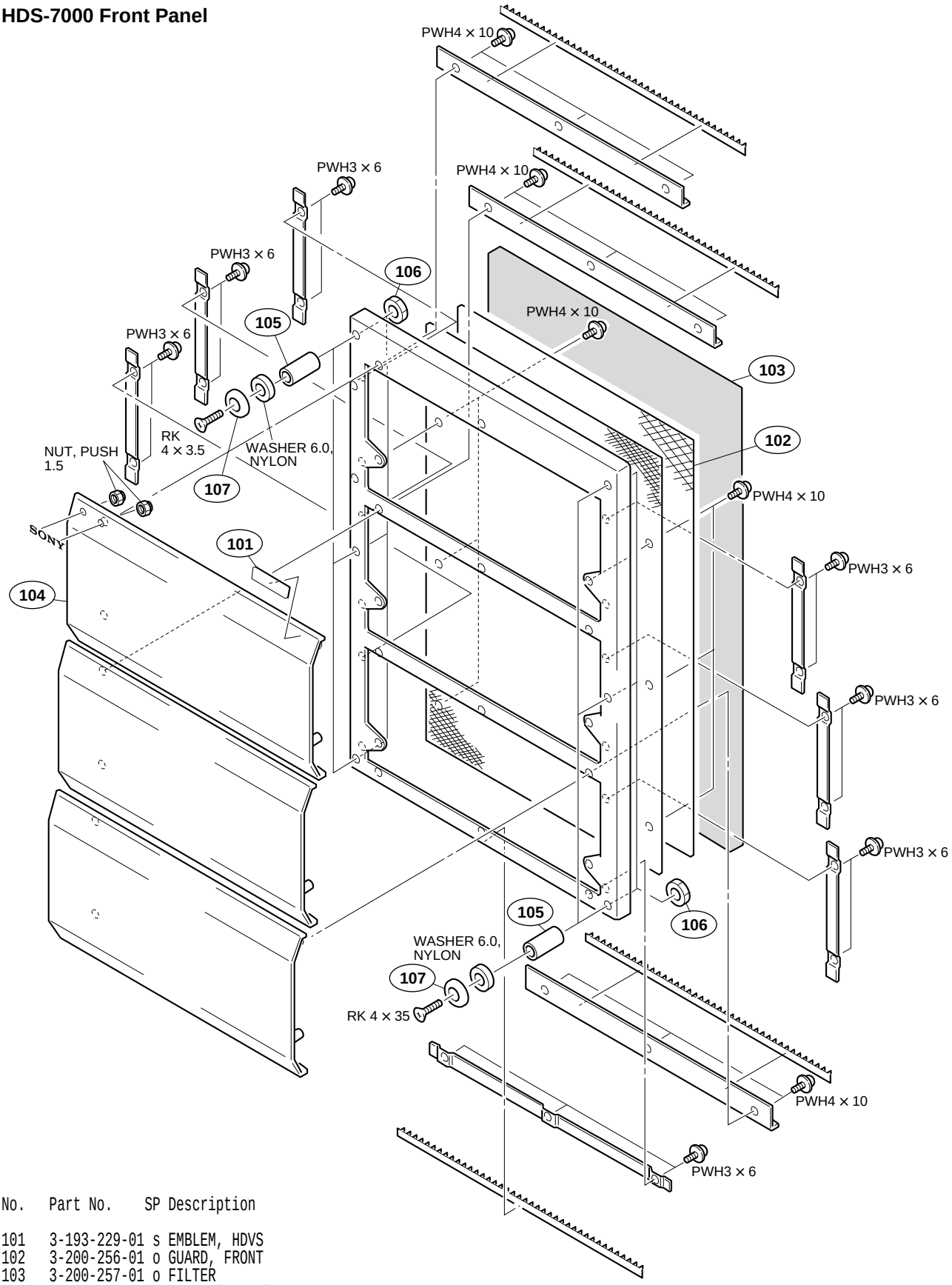
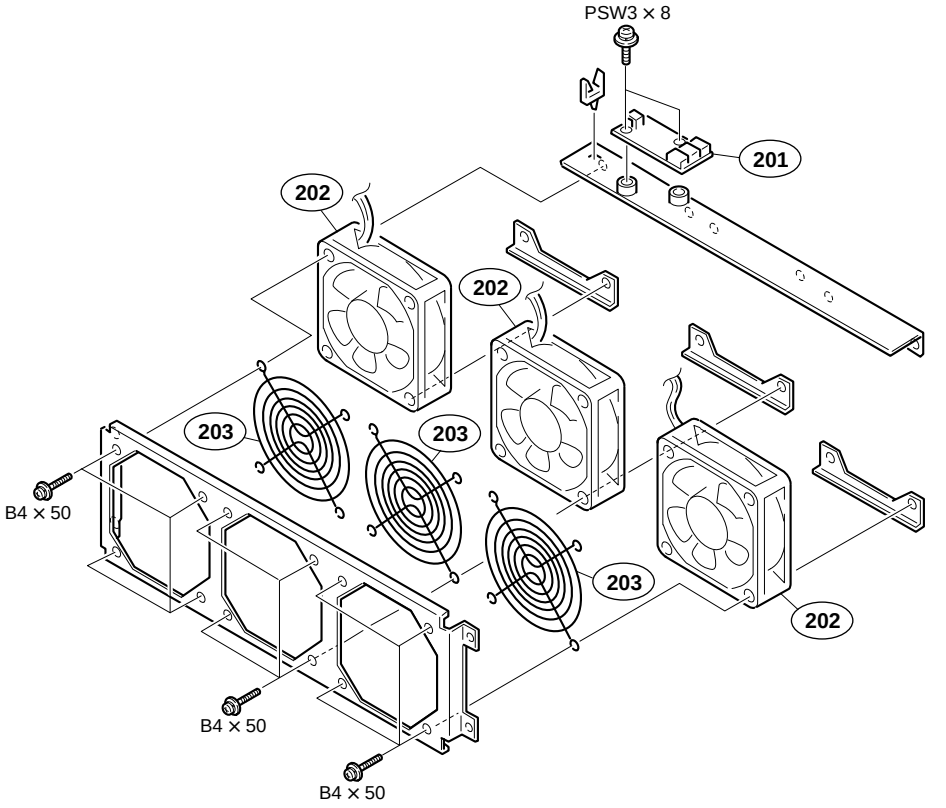
HDS-7000 Front Panel



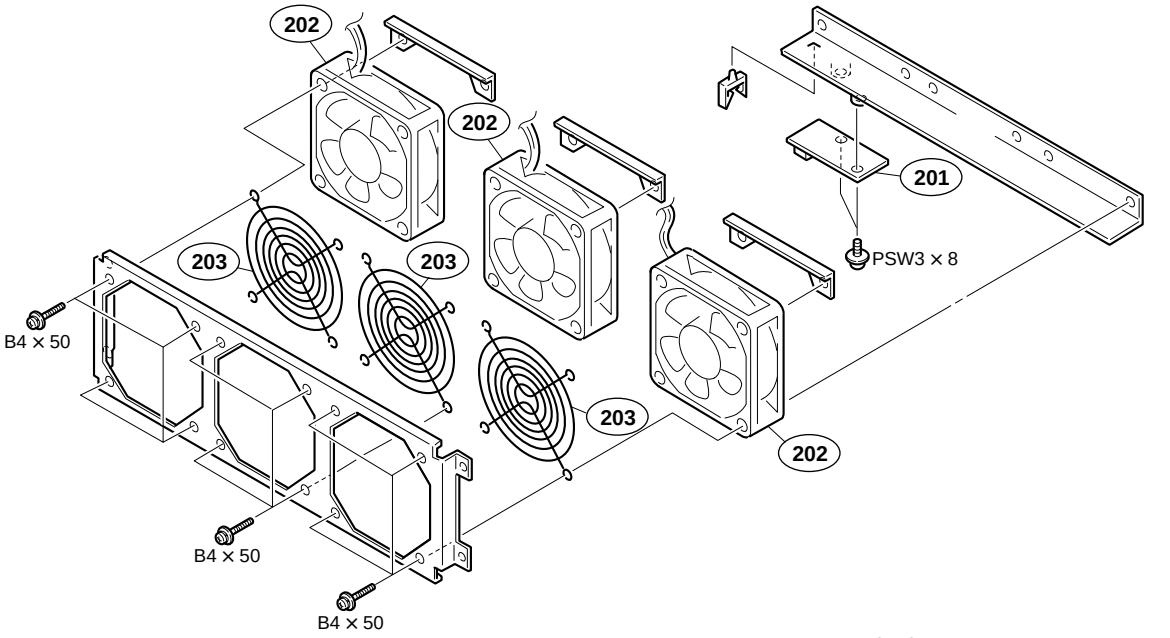
No.	Part No.	SP	Description
101	3-193-229-01	s	EMBLEM, HDVS
102	3-200-256-01	o	GUARD, FRONT
103	3-200-257-01	o	FILTER
104	3-200-258-02	o	COVER (UPPER), FRONT
105	3-648-056-00	o	SPACER (4X18)
106	3-680-316-00	s	NUT (M4), STOPPER
107	3-703-225-00	s	WASHER (4 DIA.), ORNAMENTAL

HDS-7000 Fan (1/2)

Upper Fans

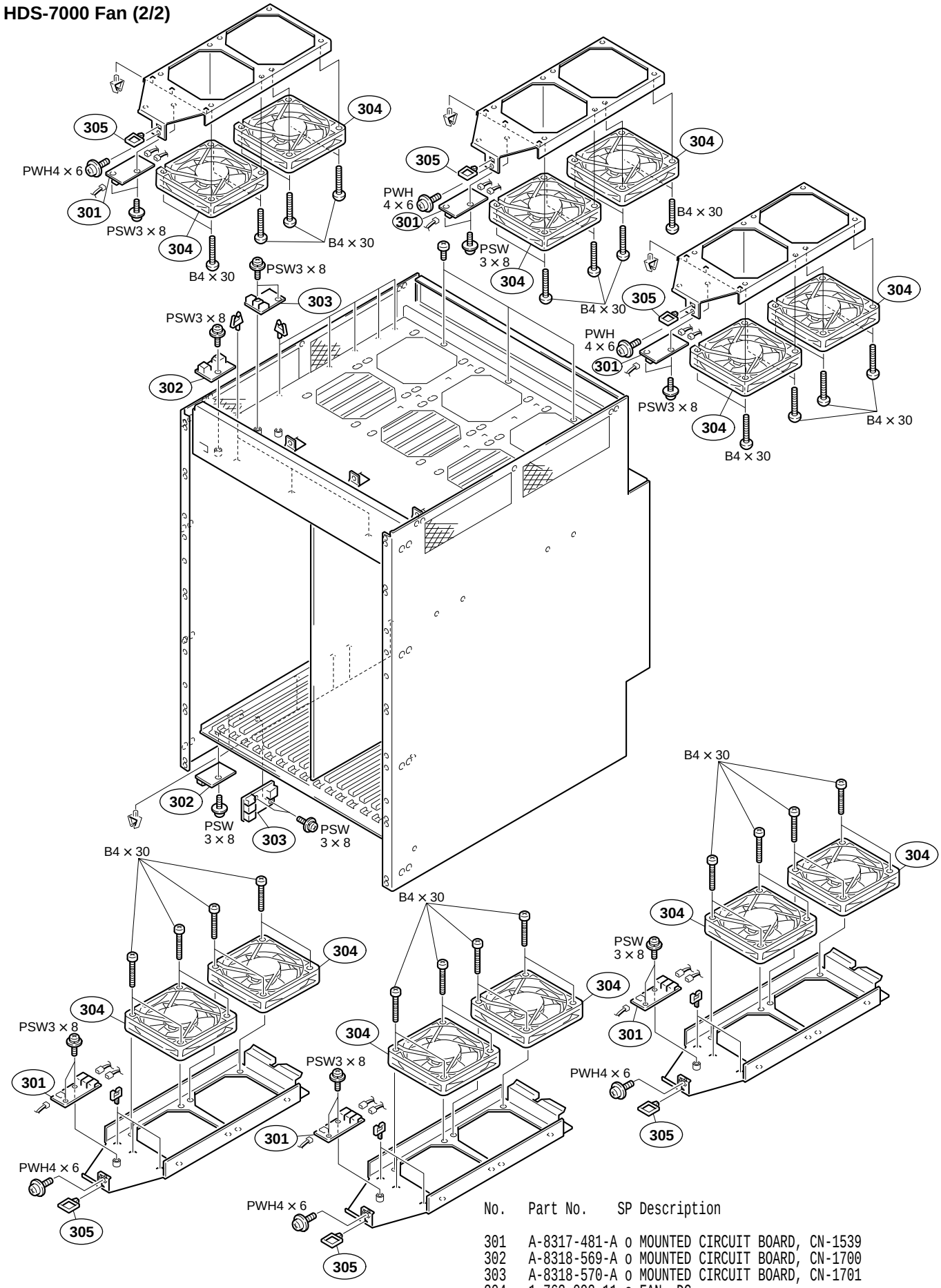


Lower Fans



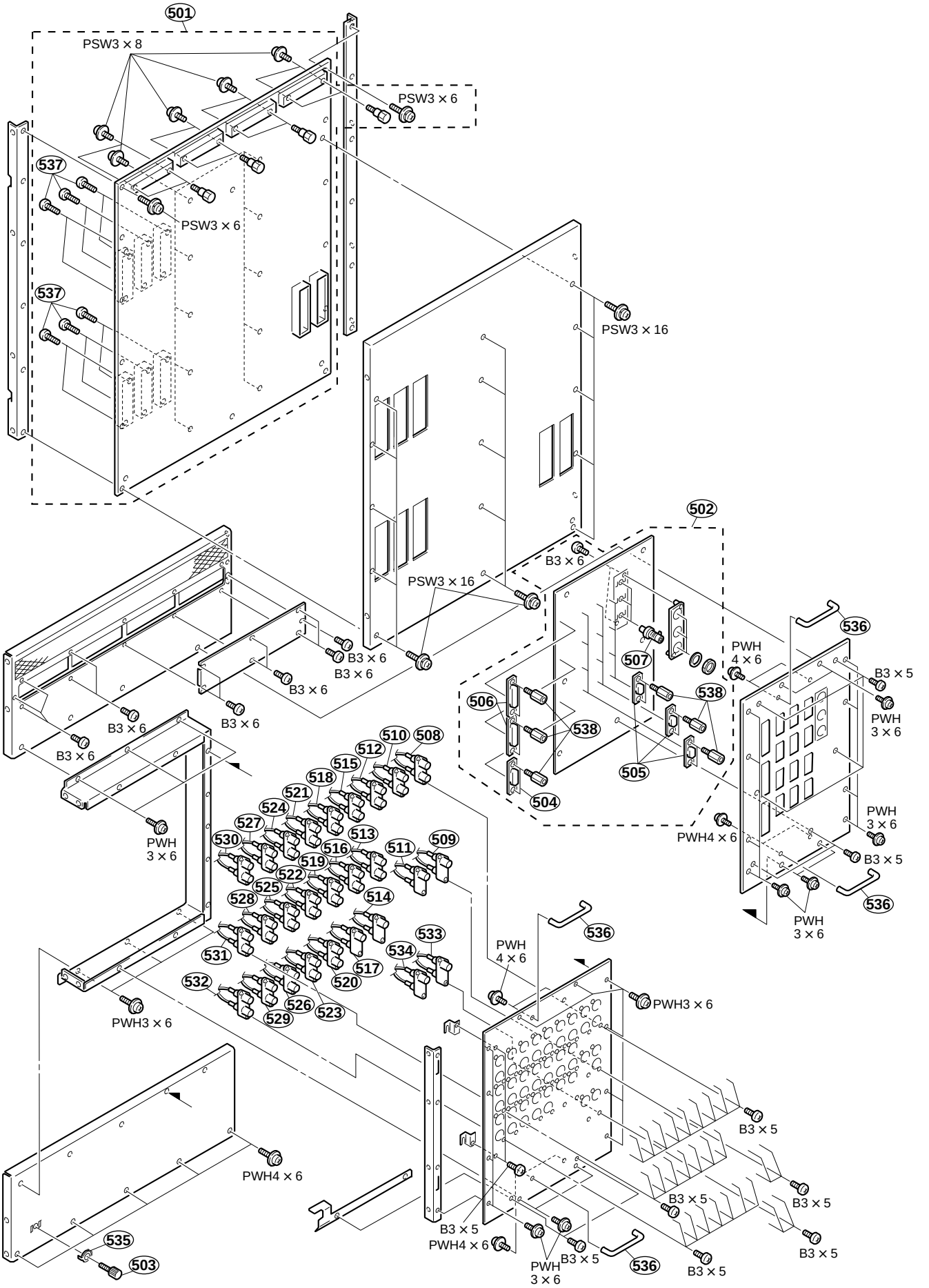
No.	Part No.	SP	Description
201	A-8317-481-A	o	MOUNTED CIRCUTI BOARD, CN-1539
202	1-698-873-11	s	FAN, DC
203	3-172-382-01	o	GUARD,FAN

HDS-7000 Fan (2/2)



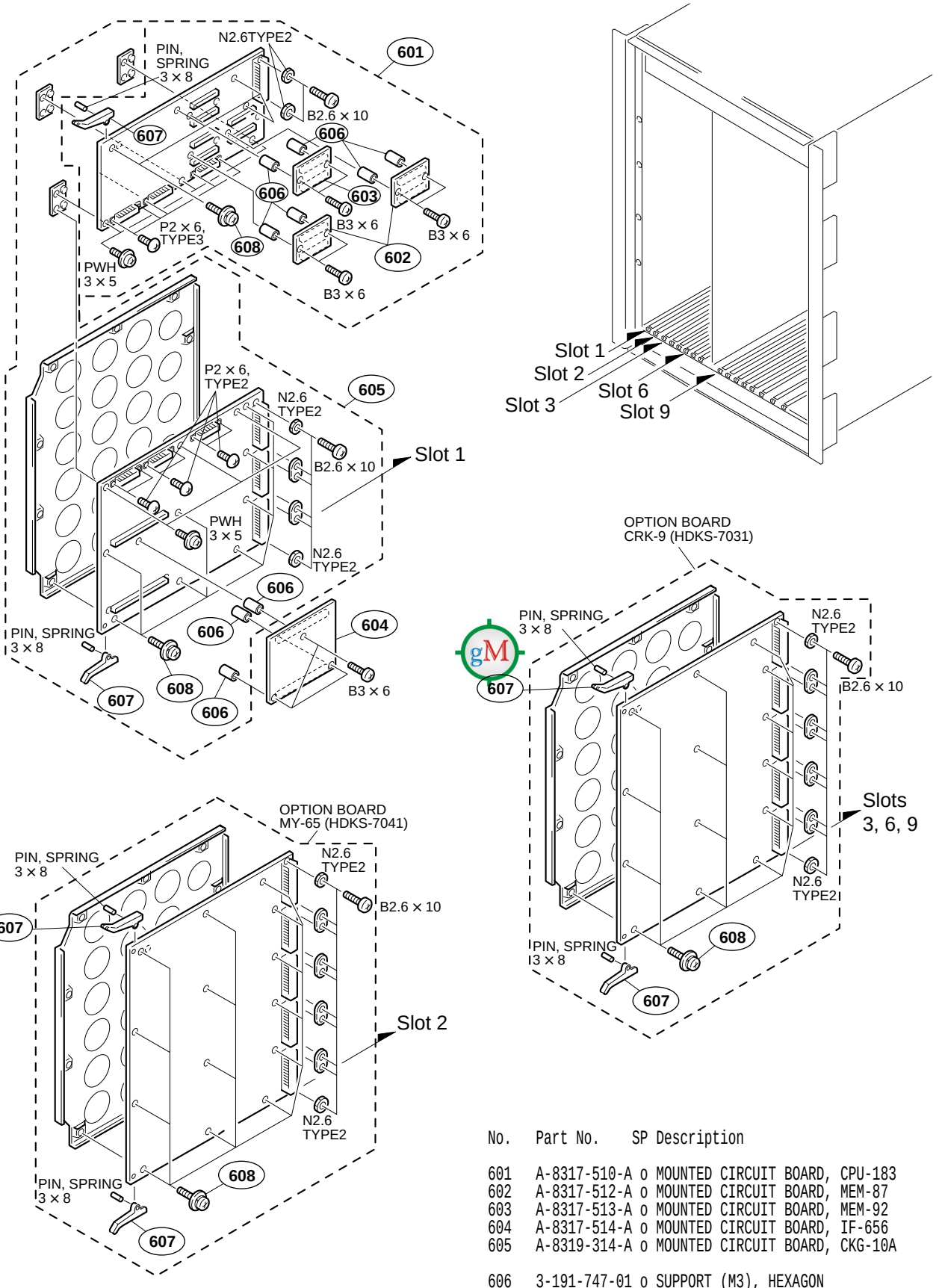
No.	Part No.	SP	Description
301	A-8317-481-A	o	MOUNTED CIRCUIT BOARD, CN-1539
302	A-8318-569-A	o	MOUNTED CIRCUIT BOARD, CN-1700
303	A-8318-570-A	o	MOUNTED CIRCUIT BOARD, CN-1701
304	1-763-092-11	s	FAN, DC
305	3-172-089-01	o	HANDLE

HDS-7000 Rear Panel



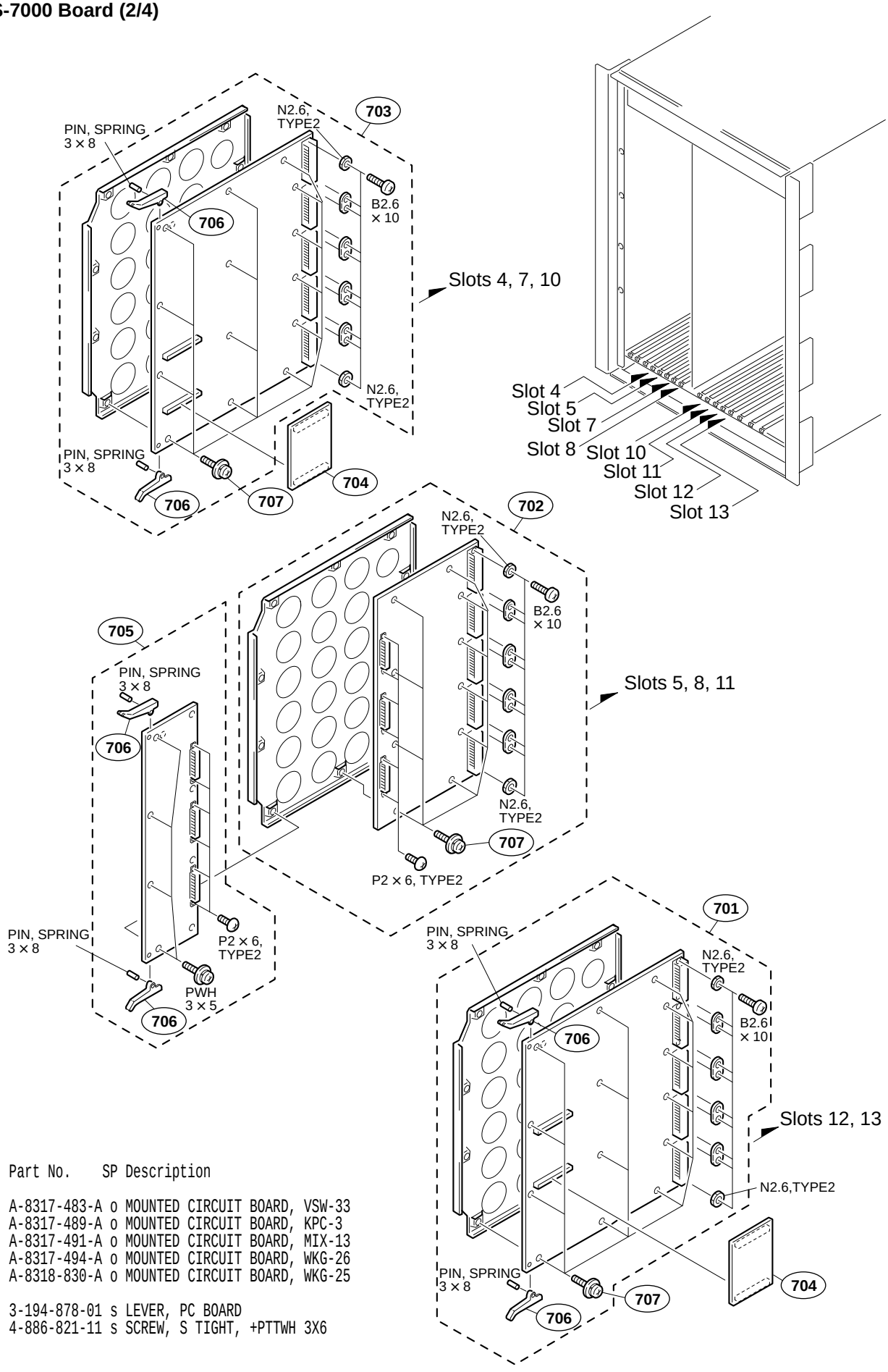
No.	Part No.	SP	Description
501	A-8317-477-A	o	MOUNTED CIRCUIT BOARD, MB-494
502	A-8317-479-A	o	MOUNTED CIRCUIT BOARD, CN-1439
503	X-2068-004-0	s	TERMINAL ASSY
504	1-563-826-31	o	CONNECTOR, D-SUB 15P
505	1-563-890-11	o	CONNECTOR, D-SUB 9P
506	1-563-891-21	o	CONNECTOR, D-SUB 25P
507	1-764-274-11	o	CONNECTOR, COAXIAL (BNC TYPE)
508	1-783-388-11	o	CABLE ASSY, COAXIAL (1ME1, 2ME1)
509	1-783-389-11	o	CABLE ASSY, COAXIAL (1ME2, 2ME2)
510	1-783-390-11	o	CABLE ASSY, COAXIAL (PGM1, PGM2)
511	1-783-391-11	o	CABLE ASSY, COAXIAL (PGM3)
512	1-783-392-11	o	CABLE ASSY, COAXIAL (AX1, AX2)
513	1-783-393-11	o	CABLE ASSY, COAXIAL (AX3, AX4)
514	1-783-394-11	o	CABLE ASSY, COAXIAL (AX5)
515	1-783-395-11	o	CABLE ASSY, COAXIAL (AX6, AX7)
516	1-783-396-11	o	CABLE ASSY, COAXIAL (AX8, AX9)
517	1-783-397-11	o	CABLE ASSY, COAXIAL (AX10)
518	1-783-398-11	o	CABLE ASSY, COAXIAL (I1, I2)
519	1-783-399-11	o	CABLE ASSY, COAXIAL (I3, I4)
520	1-783-400-11	o	CABLE ASSY, COAXIAL (I5, I6)
521	1-783-401-11	o	CABLE ASSY, COAXIAL (I7, I8)
522	1-783-402-11	o	CABLE ASSY, COAXIAL (I9, I10)
523	1-783-403-11	o	CABLE ASSY, COAXIAL (I11, I12)
524	1-783-404-11	o	CABLE ASSY, COAXIAL (I13, I14)
525	1-783-405-11	o	CABLE ASSY, COAXIAL (I15, I16)
526	1-783-406-11	o	CABLE ASSY, COAXIAL (I17, I18)
527	1-783-407-11	o	CABLE ASSY, COAXIAL (I19, I20)
528	1-783-408-11	o	CABLE ASSY, COAXIAL (I21, I22)
529	1-783-409-11	o	CABLE ASSY, COAXIAL (I23, I24)
530	1-783-410-11	o	CABLE ASSY, COAXIAL (I25, I26)
531	1-783-411-11	o	CABLE ASSY, COAXIAL (I27, I28)
532	1-783-412-11	o	CABLE ASSY, COAXIAL (I29, I30)
533	1-783-413-11	o	CABLE ASSY, COAXIAL (PVW)
534	1-783-414-11	o	CABLE ASSY, COAXIAL (CLN)
535	2-068-008-00	s	WASHER
536	2-270-616-00	o	HANDLE
537	3-187-548-02	s	GIZA TITE, +BV 3X10
538	3-673-910-21	o	SCREW, CONNECTOR

HDS-7000 Board (1/4)



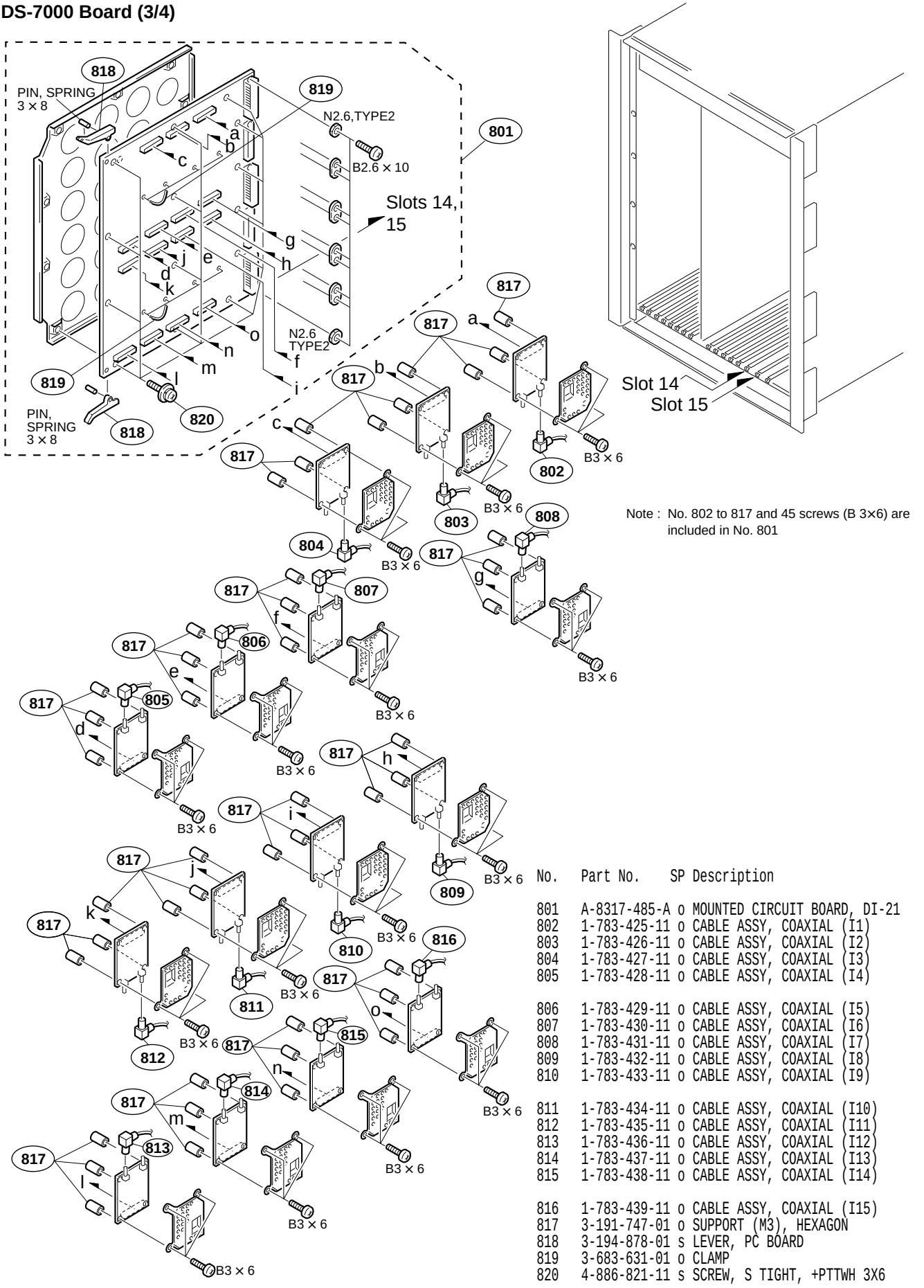
No.	Part No.	SP	Description
601	A-8317-510-A	o	MOUNTED CIRCUIT BOARD, CPU-183
602	A-8317-512-A	o	MOUNTED CIRCUIT BOARD, MEM-87
603	A-8317-513-A	o	MOUNTED CIRCUIT BOARD, MEM-92
604	A-8317-514-A	o	MOUNTED CIRCUIT BOARD, IF-656
605	A-8319-314-A	o	MOUNTED CIRCUIT BOARD, CKG-10A
606	3-191-747-01	o	SUPPORT (M3), HEXAGON
607	3-194-878-01	s	LEVER, PC BOARD
608	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3X6

HDS-7000 Board (2/4)



No.	Part No.	SP	Description
701	A-8317-483-A	o	MOUNTED CIRCUIT BOARD, VSW-33
702	A-8317-489-A	o	MOUNTED CIRCUIT BOARD, KPC-3
703	A-8317-491-A	o	MOUNTED CIRCUIT BOARD, MIX-13
704	A-8317-494-A	o	MOUNTED CIRCUIT BOARD, WKG-26
705	A-8318-830-A	o	MOUNTED CIRCUIT BOARD, WKG-25
706	3-194-878-01	s	LEVER, PC BOARD
707	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3X6

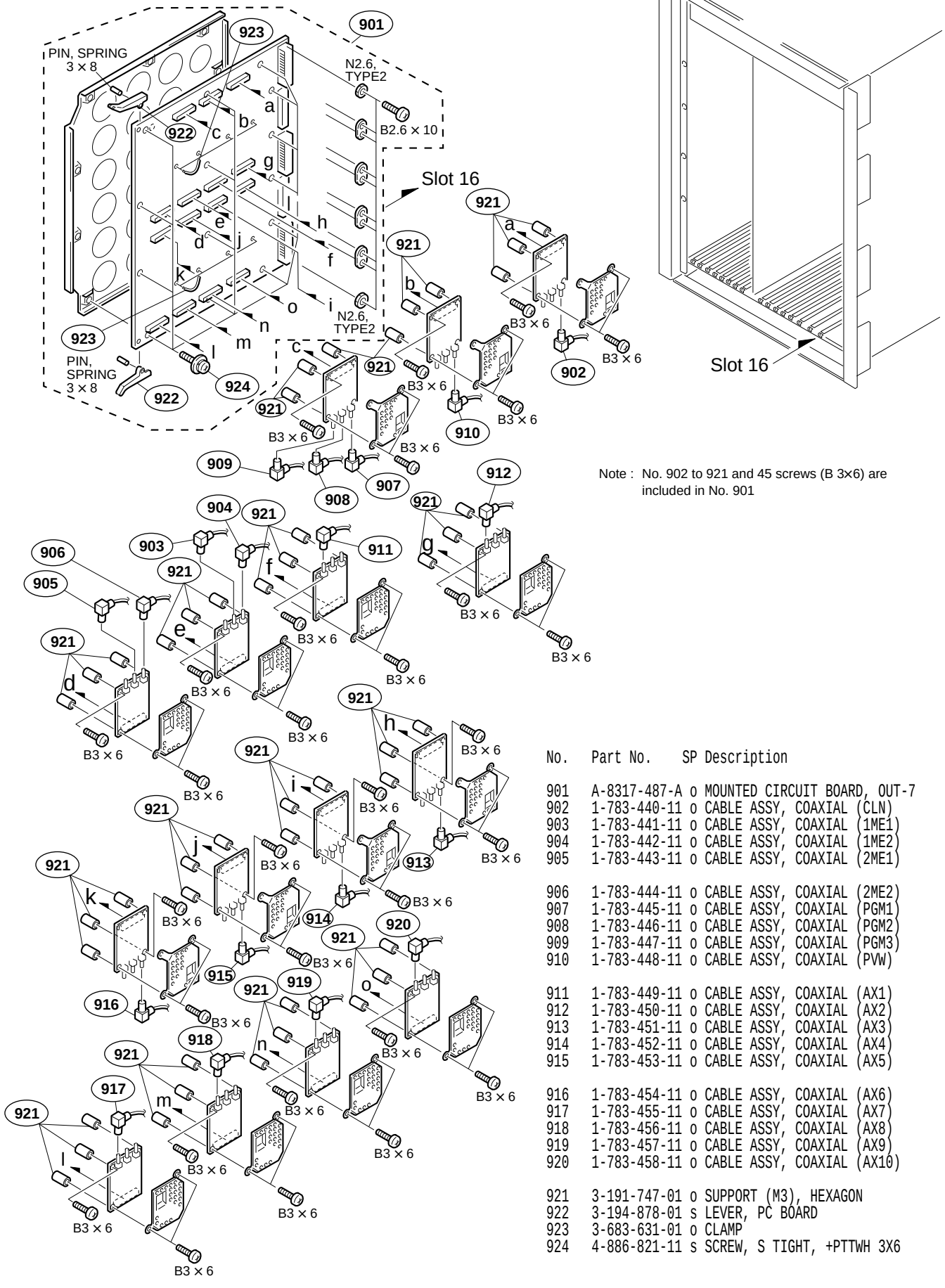
HDS-7000 Board (3/4)



Note : No. 802 to 817 and 45 screws (B 3×6) are included in No. 801

No.	Part No.	SP	Description
801	A-8317-485-A	o	MOUNTED CIRCUIT BOARD, DI-21
802	1-783-425-11	o	CABLE ASSY, COAXIAL (I1)
803	1-783-426-11	o	CABLE ASSY, COAXIAL (I2)
804	1-783-427-11	o	CABLE ASSY, COAXIAL (I3)
805	1-783-428-11	o	CABLE ASSY, COAXIAL (I4)
806	1-783-429-11	o	CABLE ASSY, COAXIAL (I5)
807	1-783-430-11	o	CABLE ASSY, COAXIAL (I6)
808	1-783-431-11	o	CABLE ASSY, COAXIAL (I7)
809	1-783-432-11	o	CABLE ASSY, COAXIAL (I8)
810	1-783-433-11	o	CABLE ASSY, COAXIAL (I9)
811	1-783-434-11	o	CABLE ASSY, COAXIAL (I10)
812	1-783-435-11	o	CABLE ASSY, COAXIAL (I11)
813	1-783-436-11	o	CABLE ASSY, COAXIAL (I12)
814	1-783-437-11	o	CABLE ASSY, COAXIAL (I13)
815	1-783-438-11	o	CABLE ASSY, COAXIAL (I14)
816	1-783-439-11	o	CABLE ASSY, COAXIAL (I15)
817	3-191-747-01	o	SUPPORT (M3), HEXAGON
818	3-194-878-01	s	LEVER, PC BOARD
819	3-683-631-01	o	CLAMP
820	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3X6

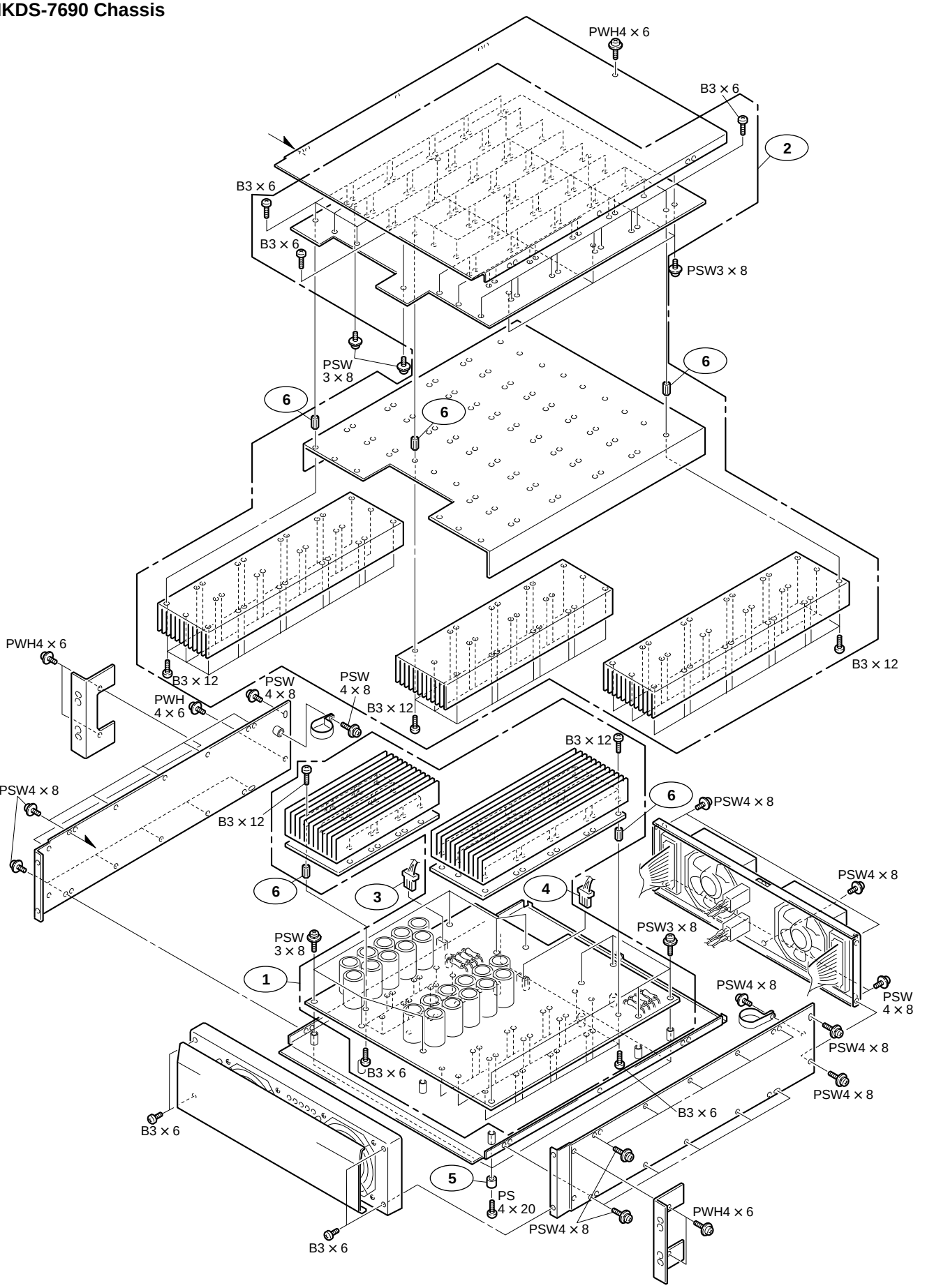
HDS-7000 Board (4/4)



Note : No. 902 to 921 and 45 screws (B 3×6) are included in No. 901

No.	Part No.	SP	Description
901	A-8317-487-A	o	MOUNTED CIRCUIT BOARD, OUT-7
902	1-783-440-11	o	CABLE ASSY, COAXIAL (CLN)
903	1-783-441-11	o	CABLE ASSY, COAXIAL (1ME1)
904	1-783-442-11	o	CABLE ASSY, COAXIAL (1ME2)
905	1-783-443-11	o	CABLE ASSY, COAXIAL (2ME1)
906	1-783-444-11	o	CABLE ASSY, COAXIAL (2ME2)
907	1-783-445-11	o	CABLE ASSY, COAXIAL (PGM1)
908	1-783-446-11	o	CABLE ASSY, COAXIAL (PGM2)
909	1-783-447-11	o	CABLE ASSY, COAXIAL (PGM3)
910	1-783-448-11	o	CABLE ASSY, COAXIAL (PVW)
911	1-783-449-11	o	CABLE ASSY, COAXIAL (AX1)
912	1-783-450-11	o	CABLE ASSY, COAXIAL (AX2)
913	1-783-451-11	o	CABLE ASSY, COAXIAL (AX3)
914	1-783-452-11	o	CABLE ASSY, COAXIAL (AX4)
915	1-783-453-11	o	CABLE ASSY, COAXIAL (AX5)
916	1-783-454-11	o	CABLE ASSY, COAXIAL (AX6)
917	1-783-455-11	o	CABLE ASSY, COAXIAL (AX7)
918	1-783-456-11	o	CABLE ASSY, COAXIAL (AX8)
919	1-783-457-11	o	CABLE ASSY, COAXIAL (AX9)
920	1-783-458-11	o	CABLE ASSY, COAXIAL (AX10)
921	3-191-747-01	o	SUPPORT (M3), HEXAGON
922	3-194-878-01	s	LEVER, PC BOARD
923	3-683-631-01	o	CLAMP
924	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3X6

HKDS-7690 Chassis



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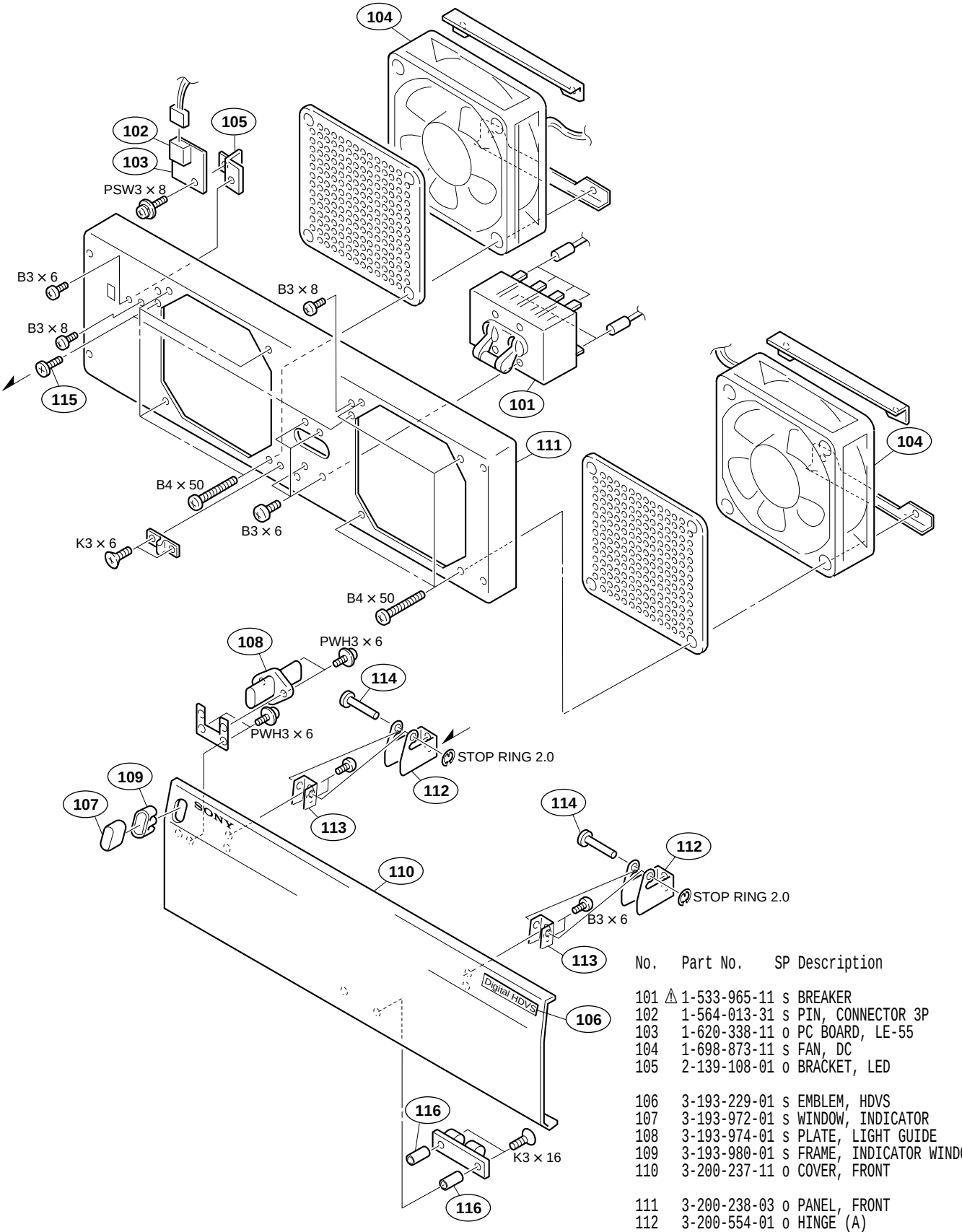
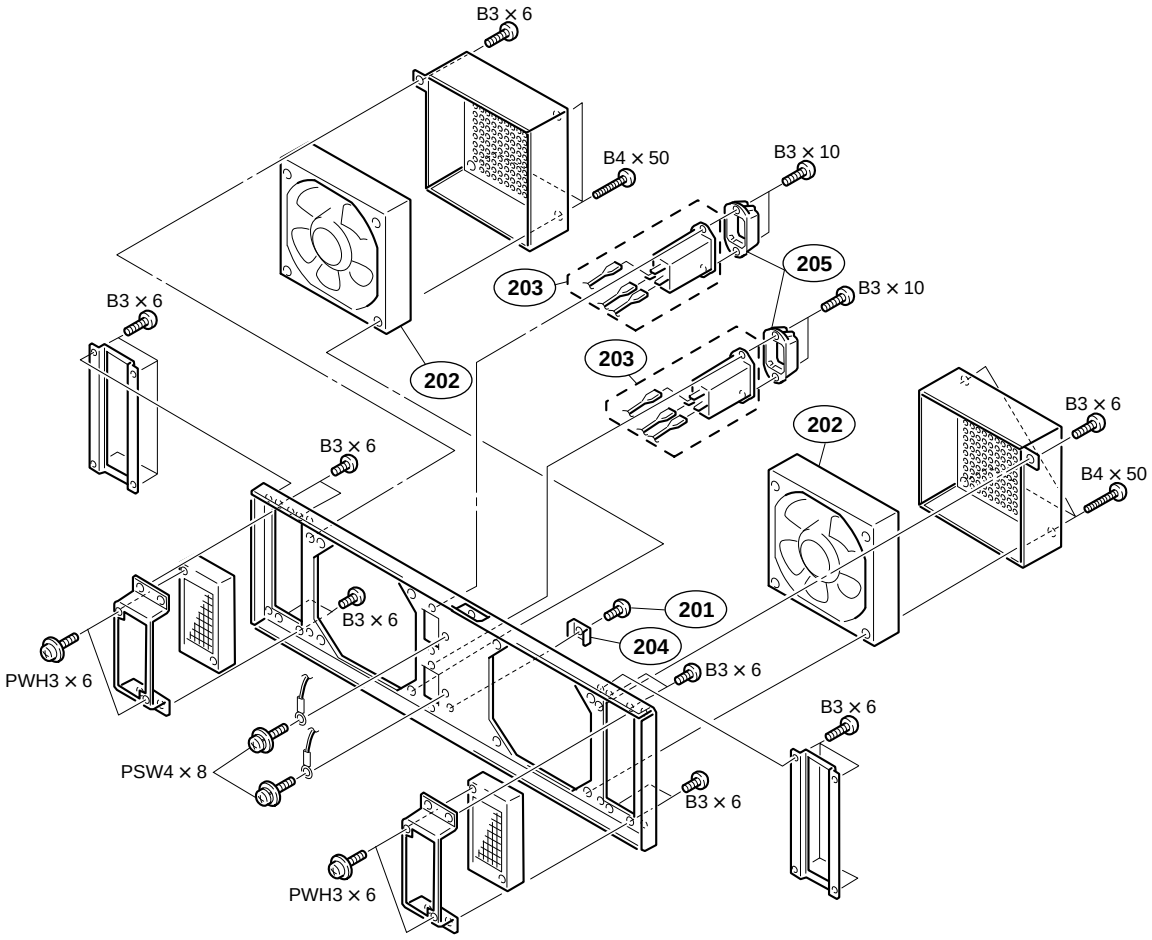
No.	Part No.	SP	Description
1	A-8318-298-A	o	MOUNTED CIRCUIT BOARD, RE-162
2	A-8318-300-A	o	MOUNTED CIRCUIT BOARD, RE-163
3 ⚠	1-958-624-11	o	HARNESS (AC 2A)
4 ⚠	1-958-625-11	o	HARNESS (AC 2B)
5	3-642-656-01	s	FOOT
6	4-360-293-00	o	SPACER, BOSS

HKDS-7690 Front Panel



No.	Part No.	SP	Description
101 ⚠	1-533-965-11	s	BREAKER
102	1-564-013-31	s	PIN, CONNECTOR 3P
103	1-620-338-11	o	PC BOARD, LE-55
104	1-698-873-11	s	FAN, DC
105	2-139-108-01	o	BRACKET, LED
106	3-193-229-01	s	EMBLEM, HDVS
107	3-193-972-01	s	WINDOW, INDICATOR
108	3-193-974-01	s	PLATE, LIGHT GUIDE
109	3-193-980-01	s	FRAME, INDICATOR WINDOW
110	3-200-237-11	o	COVER, FRONT
111	3-200-238-03	o	PANEL, FRONT
112	3-200-554-01	o	HINGE (A)
113	3-200-555-01	o	HINGE (B)
114	3-200-556-01	o	PIN, HINGE
115	3-613-164-21	o	SHAFT, STEP
116	4-959-045-01	o	SPACER

HKDS-7690 Rear Panel



No.	Part No.	SP	Description
201	X-2068-004-0	s	TERMINAL ASSY
202	1-698-873-11	s	FAN, DC
203 ⚠	1-958-769-11	o	HARNESS (WITH INLET)
204	2-068-008-00	s	WASHER
205	2-990-241-02	s	HOLDER (A), PLUG

3-3. Electrical Parts List

CKG-10A BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8319-314-A	o	MOUNTED CIRCUIT BOARD, CKG-10A
3pcs	3-191-747-01	o	SUPPORT (M3), HEXAGON
1pc	3-194-878-01	s	LEVER, PC BOARD
8pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
6pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
1pc	7-626-320-11	s	PIN, SPRING 3x8
3pcs	7-682-547-04	s	SCREW +B 3x6
3pcs	7-682-903-01	s	SCREW +PWH 3x5
6pcs	7-685-104-21	s	SCREW +P 2x6 TYPE2 SLIT
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C7	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C8	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C9	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C12	1-163-135-00	s	CERAMIC, CHIP 560pF 5% 50V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C22	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C23	1-163-245-11	s	CERAMIC, CHIP 56pF 5% 50V
C24	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C25	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C26	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C27	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C28	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-107-823-11	s	CERAMIC 0.47uF 10% 16V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-128-401-11	s	ELECT 100uF 20% 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C43	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C44	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C45	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C46	1-128-401-11	s	ELECT 100uF 20% 25V
C47	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V

(CKG-10A BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-023-00	s	CERAMIC, CHIP 0.015uF 5% 50V
C53	1-163-038-91	s	CERAMIC 0.1uF 25V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C57	1-126-400-11	s	ELECT, CHIP 22uF 20% 35V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-107-823-11	s	CERAMIC 0.47uF 10% 16V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-113-00	s	CERAMIC, CHIP 68pF 5% 50V
C69	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C70	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C71	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C72	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
C85	1-163-113-00	s	CERAMIC, CHIP 68pF 5% 50V
C86	1-126-404-11	s	ELECT 4.7uF 20% 50V
C87	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C88	1-163-127-00	s	CERAMIC, CHIP 270pF 5% 50V
C89	1-163-131-00	s	CERAMIC, CHIP 390pF 5% 50V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-128-401-11	s	ELECT 100uF 20% 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-163-038-91	s	CERAMIC 0.1uF 25V
C107	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C111	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-128-401-11	s	ELECT 100uF 20% 25V
C119	1-107-818-11	s	DOUBLE LAYERS 1F 5.5V
C120	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C166	1-163-231-11	s	CERAMIC, CHIP 15pF 5% 50V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-038-91	s	CERAMIC 0.1uF 25V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C227	1-163-038-91	s	CERAMIC 0.1uF 25V
C228	1-163-038-91	s	CERAMIC 0.1uF 25V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V
C230	1-163-038-91	s	CERAMIC 0.1uF 25V
C231	1-163-038-91	s	CERAMIC 0.1uF 25V
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-038-91	s	CERAMIC 0.1uF 25V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-163-038-91	s	CERAMIC 0.1uF 25V
C243	1-163-038-91	s	CERAMIC 0.1uF 25V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-038-91	s	CERAMIC 0.1uF 25V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-038-91	s	CERAMIC 0.1uF 25V
C255	1-163-038-91	s	CERAMIC 0.1uF 25V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-038-91	s	CERAMIC 0.1uF 25V
C258	1-163-038-91	s	CERAMIC 0.1uF 25V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-038-91	s	CERAMIC 0.1uF 25V
CN2	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
CN3	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN4	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
CN5	1-566-311-11	s	CONNECTOR, 10P, MALE
CN6	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
CN7	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN8	1-750-889-11	s	CONNECTOR, D-SUB 15P, FEMALE
COP1	1-564-948-21	o	PIN, SHORTING
COP2	1-564-948-21	o	PIN, SHORTING
COP3	1-564-948-21	o	PIN, SHORTING
COP4	1-564-948-21	o	PIN, SHORTING
COP5	1-564-948-21	o	PIN, SHORTING
COP6	1-564-948-21	o	PIN, SHORTING
COP7	1-564-948-21	o	PIN, SHORTING
COR1	1-562-579-21	s	PLUG, SHORTING
COR2	1-562-579-21	s	PLUG, SHORTING
COR3	1-562-579-21	s	PLUG, SHORTING
COR4	1-562-579-21	s	PLUG, SHORTING
COR5	1-562-579-21	s	PLUG, SHORTING
COR6	1-562-579-21	s	PLUG, SHORTING
COR7	1-562-579-21	s	PLUG, SHORTING

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Ref. No. or Q'ty	Part No.	SP	Description
CP1	1-475-863-11	s	CONVERTER UNIT, DC-DC
D1	8-719-056-73	s	DIODE UDZ-TE-17-2.7B
D2	---PENDING--	s	1N6263
D3	8-719-800-76	s	DIODE 1SS226
D4	8-719-800-76	s	DIODE 1SS226
D5	8-719-800-76	s	DIODE 1SS226
D6	8-719-800-76	s	DIODE 1SS226
D7	8-719-800-76	s	DIODE 1SS226
D8	8-719-800-76	s	DIODE 1SS226
D9	8-719-800-76	s	DIODE 1SS226
D10	8-719-800-76	s	DIODE 1SS226
D11	8-719-800-76	s	DIODE 1SS226
D12	8-719-800-76	s	DIODE 1SS226
D13	8-719-975-84	s	DIODE AY1101W-88
D14	8-719-975-84	s	DIODE AY1101W-88
D15	8-719-975-84	s	DIODE AY1101W-88
D16	8-719-987-09	s	DIODE PG1102W
D17	8-719-987-09	s	DIODE PG1102W
D18	8-719-987-09	s	DIODE PG1102W
D19	8-719-987-09	s	DIODE PG1102W
D20	8-719-987-09	s	DIODE PG1102W
D21	8-719-987-09	s	DIODE PG1102W
D22	8-719-987-09	s	DIODE PG1102W
D23	8-719-987-09	s	DIODE PG1102W
D24	8-719-987-09	s	DIODE PG1102W
D25	8-719-987-09	s	DIODE PG1102W
D26	8-719-987-09	s	DIODE PG1102W
D27	8-719-987-09	s	DIODE PG1102W
D28	8-719-987-09	s	DIODE PG1102W
D29	8-719-987-09	s	DIODE PG1102W
D30	8-719-987-09	s	DIODE PG1102W
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F5	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F6	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
IC1	8-759-271-82	s	IC DS3695ATM
IC2	8-759-465-77	s	IC MC10E111FNR2
IC3	8-759-465-77	s	IC MC10E111FNR2
IC4	8-759-465-77	s	IC MC10E111FNR2
IC5	8-759-465-77	s	IC MC10E111FNR2
IC6	8-759-926-30	s	IC AM26LS30PC
IC7	8-759-528-72	s	IC DS96F174CJ
IC8	8-759-528-72	s	IC DS96F174CJ
IC9	8-759-528-72	s	IC DS96F174CJ
IC10	8-759-528-72	s	IC DS96F174CJ
IC11	8-759-469-98	s	IC CAT93C66K-LE10
IC12	8-759-181-33	s	IC EL2090CM
IC13	8-759-181-33	s	IC EL2090CM
IC14	8-759-271-78	s	IC DS26C32ATM
IC15	8-759-527-47	s	IC MC10ELT20D
IC16	8-759-367-26	s	IC MC10EL31DR2
IC17	8-759-367-26	s	IC MC10EL31DR2
IC18	8-759-367-26	s	IC MC10EL31DR2
IC19	8-759-367-25	s	IC MC10EL16DR2
IC20	8-759-528-67	s	IC LT1193CS8

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Ref. No. or Q'ty	Part No.	SP	Description
IC21	8-759-245-00	s	IC TD62306F
IC22	8-759-505-00	s	IC CXD8052Q
IC23	8-759-523-45	s	IC TC74ACT244FT(EL)
IC24	8-759-527-52	s	IC SN74ABT541BPW-E05
IC25	8-759-367-26	s	IC MC10EL31DR2
IC26	8-759-523-94	s	IC TC74VHC32FT(EL)
IC27	8-759-981-48	s	IC NJM082M
IC28	8-759-527-46	s	IC LM319M
IC29	8-759-465-49	s	IC MC10ELT21DR2
IC30	8-759-465-49	s	IC MC10ELT21DR2
IC31	8-759-465-49	s	IC MC10ELT21DR2
IC32	8-759-981-48	s	IC NJM082M
IC33	8-759-523-07	s	IC TC74AC04FT(EL)
IC34	8-759-523-40	s	IC TC74ACT74FT(EL)
IC35	8-759-523-11	s	IC TC74AC74FT(EL)
IC36	8-759-523-05	s	IC TC74AC00FT(EL)
IC37	8-759-523-11	s	IC TC74AC74FT(EL)
IC38	8-759-524-18	s	IC TC74VHC163FT(EL)
IC39	8-759-524-18	s	IC TC74VHC163FT(EL)
IC40	8-759-524-18	s	IC TC74VHC163FT(EL)
IC41	8-759-523-39	s	IC TC74ACT32FT(EL)
IC42	8-759-523-40	s	IC TC74ACT74FT(EL)
IC43	8-759-523-38	s	IC TC74ACT14FT(EL)
IC44	8-759-523-37	s	IC TC74ACT08FT(EL)
IC45	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC46	8-759-523-11	s	IC TC74AC74FT(EL)
IC47	8-759-528-99	s	IC TC74VHC221AFT(EL)
IC48	8-759-528-99	s	IC TC74VHC221AFT(EL)
IC49	8-759-528-99	s	IC TC74VHC221AFT(EL)
IC50	8-759-523-51	s	IC TC74ACT574FT(EL)
IC51	8-759-563-87	o	IC AM27C256-CKX-GEN-V2
IC52	8-759-523-51	s	IC TC74ACT574FT(EL)
IC53	8-759-523-51	s	IC TC74ACT574FT(EL)
IC54	8-759-523-05	s	IC TC74AC00FT(EL)
IC55	8-759-523-51	s	IC TC74ACT574FT(EL)
IC56	8-759-541-05	o	IC WS57C291-V-LOOP-V1
IC57	8-759-914-03	s	IC SN74LS06N
IC58	8-759-245-00	s	IC TD62306F
IC59	8-759-527-54	s	IC SN74ABT821APW-E05
IC60	8-759-523-51	s	IC TC74ACT574FT(EL)
IC61	8-759-524-18	s	IC TC74VHC163FT(EL)
IC62	8-759-524-18	s	IC TC74VHC163FT(EL)
IC63	8-759-524-18	s	IC TC74VHC163FT(EL)
IC64	8-759-541-03	o	IC WS57C291-H-LOOP-V1
IC65	8-759-472-94	s	IC MAX3241CAI-TE2
IC66	8-759-243-82	s	IC TC74AC151F
IC67	8-759-523-51	s	IC TC74ACT574FT(EL)
IC68	8-759-079-45	s	IC TC74AC283F
IC69	8-759-079-45	s	IC TC74AC283F
IC70	8-759-079-45	s	IC TC74AC283F
IC71	8-759-527-54	s	IC SN74ABT821APW-E05
IC72	8-759-946-63	s	IC SN74ALS541N
IC73	8-752-381-84	s	IC CXD1095BQ
IC74	8-759-505-06	s	IC CXD8058Q
IC75	8-759-527-44	s	IC MAX693ACSE
IC76	8-759-534-76	o	IC MX27C4000MC-HDME7KV1
IC77	8-759-528-55	s	IC IDT74FCT162841ETPA
IC78	8-759-527-52	s	IC SN74ABT541BPW-E05
IC79	8-759-504-23	s	IC RF5C62

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Ref. No. or Q'ty	Part No.	SP	Description
IC80	8-759-466-16	s	IC IDT7164S20Y-TL
IC81	8-759-534-76	o	IC MX27C4000MC-HDME7KV1
IC82	8-759-528-55	s	IC IDT74FCT162841ETPA
IC83	8-759-527-52	s	IC SN74ABT541BPW-E05
IC84	8-759-466-16	s	IC IDT7164S20Y-TL
IC85	8-759-466-16	s	IC IDT7164S20Y-TL
IC86	8-759-190-63	s	IC CXD8841Q
IC87	8-759-180-50	s	IC MB89371AH-PF
IC92	8-759-541-80	o	IC EPM7128-SPLINE-V1
IC93	8-759-466-16	s	IC IDT7164S20Y-TL
IC94	8-759-523-36	s	IC TC74ACT04FT(EL)
IC95	8-759-523-39	s	IC TC74ACT32FT(EL)
IC96	8-759-527-53	s	IC SN74ABT245BPW-E05
IC97	8-759-528-51	s	IC IDT74FCT162245CTPA
IC98	8-759-528-51	s	IC IDT74FCT162245CTPA
IC99	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC100	8-759-527-52	s	IC SN74ABT541BPW-E05
IC101	8-759-528-51	s	IC IDT74FCT162245CTPA
IC102	8-759-528-51	s	IC IDT74FCT162245CTPA
IC103	8-759-527-53	s	IC SN74ABT245BPW-E05
IC104	8-759-528-42	s	IC IDT74FST3390Q
IC105	8-759-566-08	o	IC EPM7192-CKG-V2
IC106	8-759-527-53	s	IC SN74ABT245BPW-E05
IC107	8-759-528-42	s	IC IDT74FST3390Q
IC108	8-759-973-43	s	IC MB8421-90LPFQ
IC109	8-759-973-43	s	IC MB8421-90LPFQ
IC110	8-759-973-43	s	IC MB8421-90LPFQ
IC111	8-759-389-26	s	IC 74LCX08MTCX
IC112	8-759-523-36	s	IC TC74ACT04FT(EL)
IC114	8-759-528-42	s	IC IDT74FST3390Q
IC115	8-759-528-42	s	IC IDT74FST3390Q
IC116	8-759-528-61	s	IC CY7C4221-25AC
IC117	8-759-528-61	s	IC CY7C4221-25AC
IC118	8-759-528-54	s	IC IDT74FCT162501ETPA
IC119	8-759-505-00	s	IC CXD8052Q
IC120	8-759-505-00	s	IC CXD8052Q
IC121	8-759-528-54	s	IC IDT74FCT162501ETPA
IC122	8-759-528-42	s	IC IDT74FST3390Q
IC123	8-759-528-42	s	IC IDT74FST3390Q
IC124	8-759-528-61	s	IC CY7C4221-25AC
IC125	8-759-528-61	s	IC CY7C4221-25AC
IC126	8-752-381-84	s	IC CXD1095BQ
IC127	8-759-528-54	s	IC IDT74FCT162501ETPA
IC128	8-759-528-42	s	IC IDT74FST3390Q
IC129	8-759-528-42	s	IC IDT74FST3390Q
IC130	8-759-528-61	s	IC CY7C4221-25AC
IC131	8-759-528-61	s	IC CY7C4221-25AC
IC132	8-759-528-42	s	IC IDT74FST3390Q
IC133	8-759-528-42	s	IC IDT74FST3390Q
IC134	8-759-505-00	s	IC CXD8052Q
IC135	8-759-505-00	s	IC CXD8052Q
IC136	8-759-528-54	s	IC IDT74FCT162501ETPA
IC137	8-759-528-61	s	IC CY7C4221-25AC
IC138	8-759-528-61	s	IC CY7C4221-25AC
IS7	1-526-654-21	o	SOCKET, IC (DP) 16P
IS8	1-526-654-21	o	SOCKET, IC (DP) 16P
IS9	1-526-654-21	o	SOCKET, IC (DP) 16P
IS10	1-526-654-21	o	SOCKET, IC (DP) 16P
IS51	1-526-659-00	o	SOCKET, IC 28P

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Ref. No. or Q'ty	Part No.	SP	Description
IS56	1-526-816-21	s	SOCKET, IC (DP) 24P
IS64	1-526-816-21	s	SOCKET, IC (DP) 24P
L1	1-414-108-11	s	INDUCTOR 0.68uH
L2	1-411-843-11	s	COIL, CHOKE 10uH
L3	1-411-843-11	s	COIL, CHOKE 10uH
L4	1-411-843-11	s	COIL, CHOKE 10uH
L5	1-411-843-11	s	COIL, CHOKE 10uH
L6	1-411-843-11	s	COIL, CHOKE 10uH
L7	1-411-843-11	s	COIL, CHOKE 10uH
L8	1-421-370-00	s	COIL, CHOKE
L9	1-411-843-11	s	COIL, CHOKE 10uH
L10	1-411-843-11	s	COIL, CHOKE 10uH
L11	1-411-843-11	s	COIL, CHOKE 10uH
L12	1-421-370-00	s	COIL, CHOKE
L13	1-421-370-00	s	COIL, CHOKE
L14	1-421-370-00	s	COIL, CHOKE
L15	1-421-370-00	s	COIL, CHOKE
L16	1-421-370-00	s	COIL, CHOKE
R1	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R2	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R3	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R4	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R5	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R6	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R7	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R8	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R9	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R10	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R11	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R12	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R13	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R14	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R15	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R16	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R17	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R18	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R19	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R20	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R21	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R22	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R23	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R24	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R25	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R26	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R27	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R28	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R29	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R30	1-216-625-11	s	METAL, CHIP 82 0.5% 1/10W
R31	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R32	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R33	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R34	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R35	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R36	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R37	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R38	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R39	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R40	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R41	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R42	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R43	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R44	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R45	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R46	1-216-658-11	s	METAL, CHIP 2k 0.5% 1/10W
R47	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R48	1-216-640-11	s	METAL, CHIP 360 0.5% 1/10W
R49	1-216-658-11	s	METAL, CHIP 2k 0.5% 1/10W
R50	1-216-658-11	s	METAL, CHIP 2k 0.5% 1/10W
R51	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R52	1-216-640-11	s	METAL, CHIP 360 0.5% 1/10W
R53	1-216-658-11	s	METAL, CHIP 2k 0.5% 1/10W
R54	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R55	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R56	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R57	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R58	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R59	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R60	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R61	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R62	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R63	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R64	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R65	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R66	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R67	1-216-658-11	s	METAL, CHIP 2k 0.5% 1/10W
R68	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R69	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R70	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R71	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R72	1-216-661-11	s	METAL, CHIP 2.7k 0.5% 1/10W
R73	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R74	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R75	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R76	1-218-776-11	s	METAL 1M 0.5% 1/10W
R77	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R78	1-216-663-11	s	METAL, CHIP 3.3k 0.5% 1/10W
R79	1-216-686-11	s	METAL, CHIP 30k 0.5% 1/10W
R80	1-216-686-11	s	METAL, CHIP 30k 0.5% 1/10W
R81	1-216-679-11	s	METAL, CHIP 15k 0.5% 1/10W
R82	1-216-679-11	s	METAL, CHIP 15k 0.5% 1/10W
R83	1-216-644-11	s	METAL, CHIP 510 0.5% 1/10W
R84	1-216-691-11	s	METAL, CHIP 47k 0.5% 1/10W
R85	1-216-691-11	s	METAL, CHIP 47k 0.5% 1/10W
R86	1-218-768-11	s	METAL 470k 0.5% 1/10W
R87	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R88	1-216-691-11	s	METAL, CHIP 47k 0.5% 1/10W
R89	1-216-683-11	s	METAL, CHIP 22k 0.5% 1/10W
R90	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R91	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R92	1-216-679-11	s	METAL, CHIP 15k 0.5% 1/10W
R93	1-216-679-11	s	METAL, CHIP 15k 0.5% 1/10W
R94	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R95	1-216-693-11	s	METAL, CHIP 56k 0.5% 1/10W
R96	1-216-671-11	s	METAL, CHIP 6.8k 0.5% 1/10W
R97	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R98	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R99	1-216-295-91	s	RES, CHIP 0

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Ref. No. or Q'ty	Part No.	SP	Description
R100	1-216-295-91	s	RES, CHIP 0
R101	1-216-295-91	s	RES, CHIP 0
R102	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R103	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R104	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R105	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R106	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R107	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R108	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R109	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R110	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R111	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R112	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R113	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R114	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R115	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R116	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R117	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R118	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R119	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R120	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R121	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R122	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R123	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R124	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R125	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R126	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R127	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R128	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R129	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R130	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R131	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R132	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R133	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R134	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R135	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R136	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R137	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R138	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R139	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R140	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R141	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R142	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R143	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R144	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R145	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R146	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R147	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R148	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R149	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R150	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R151	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R152	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R153	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R154	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R155	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R156	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R157	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R158	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R159	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R160	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R161	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R162	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R163	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R164	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R165	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R166	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R167	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R168	1-216-295-91	s	RES, CHIP 0
R169	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R170	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R171	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R172	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R173	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R174	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R175	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R176	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R177	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R178	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R179	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R180	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R181	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R182	1-218-776-11	s	METAL 1M 0.5% 1/10W
R183	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R184	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R185	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R186	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R187	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R188	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R189	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R190	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R191	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R192	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R193	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R194	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R195	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R196	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R197	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R198	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R199	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R200	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R201	1-216-295-91	s	RES, CHIP 0
R202	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R203	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R204	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R205	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R206	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R207	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R208	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R209	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R210	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R211	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R212	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R213	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R214	1-216-649-11	s	METAL, CHIP 820 0.5% 1/10W
R215	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R216	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R217	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W

(CKG-10A BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R218	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R219	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R220	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R221	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R222	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R223	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R224	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R225	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R226	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R227	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R228	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R229	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R230	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R231	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R232	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R233	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R234	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R235	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R236	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R237	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R238	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R300	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
RV1	1-238-853-11	s	RES, ADJ, CERMET 1k
RV2	1-238-853-11	s	RES, ADJ, CERMET 1k
RV3	1-238-855-11	s	RES, ADJ, CERMET 4.7k
RV4	1-238-856-11	s	RES, ADJ, CERMET 10k
RY1	1-515-716-11	s	RELAY (TQ2-5V)
RY2	1-515-716-11	s	RELAY (TQ2-5V)
RY3	1-515-716-11	s	RELAY (TQ2-5V)
RY4	1-515-716-11	s	RELAY (TQ2-5V)
RY5	1-515-716-11	s	RELAY (TQ2-5V)
S1	1-692-536-11	s	SWITCH, DIP 8-CKT
VCX1	1-767-329-11	s	CRYSTAL 74.17582400MHz
VCX2	1-767-328-11	s	CRYSTAL 74.2500000MHz
X1	1-760-622-21	s	CRYSTAL 32.76800000MHz
X2	1-760-464-11	s	CRYSTAL 4.91520000MHz

CN-1439 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-479-A	o	MOUNTED CIRCUIT BOARD, CN-1439
28pcs	3-673-910-21	o	SCREW, CONNECTOR
9pcs	7-682-547-04	s	SCREW +B 3x6
CN11	1-764-274-11	s	CONNECTOR, BNC, FEMALE
CN12	1-764-274-11	s	CONNECTOR, BNC, FEMALE
CN13	1-764-274-11	s	CONNECTOR, BNC, FEMALE
CN101	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN102	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN103	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN104	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN105	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN106	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN107	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN108	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN109	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN110	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN111	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN112	1-563-890-21	s	CONNECTOR, D-SUB 9P, FEMALE
CN113	1-563-891-21	s	CONNECTOR, D-SUB 25P, FEMALE
CN114	1-563-891-21	s	CONNECTOR, D-SUB 25P, FEMALE
CN115	1-563-826-31	s	CONNECTOR, D-SUB 15P, FEMALE
L1	1-410-802-11	s	INDUCTOR, CHIP 39uH
L2	1-410-802-11	s	INDUCTOR, CHIP 39uH
R1	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W

CN-1539 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-481-A	o	MOUNTED CIRCUIT BOARD, CN-1539
CN4	1-560-366-00	o	CONNECTOR, ILG 4P, MALE
CN5	1-560-365-00	o	CONNECTOR, ILG 3P, MALE
CN6	1-560-365-00	o	CONNECTOR, ILG 3P, MALE
CN7	1-560-365-00	o	CONNECTOR, ILG 3P, MALE
D1	8-719-801-78	s	DIODE 1SS184
D2	8-719-801-78	s	DIODE 1SS184
F1	⚠ 1-533-275-21	s	FUSE 5A 125V
FL1	1-236-071-41	s	FILTER, EMI
FL2	1-236-071-41	s	FILTER, EMI
FL3	1-236-071-41	s	FILTER, EMI
FL4	1-236-071-41	s	FILTER, EMI
FL5	1-236-071-41	s	FILTER, EMI
FL6	1-236-071-41	s	FILTER, EMI
R1	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R2	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R3	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W

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CN-1700 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8318-569-A	o	MOUNTED CIRCUIT BOARD, CN-1700
CN1	1-560-366-00	o	CONNECTOR, ILG 4P, MALE
CN2	1-560-366-00	o	CONNECTOR, ILG 4P, MALE

CN-1701 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8318-570-A	o	MOUNTED CIRCUIT BOARD, CN-1701
CN8	1-691-959-11	o	CONNECTOR 4P, MALE
CN9	1-560-366-00	o	CONNECTOR, ILG 4P, MALE
CN10	1-560-366-00	o	CONNECTOR, ILG 4P, MALE
CN11	1-560-366-00	o	CONNECTOR, ILG 4P, MALE

CPU-183 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-510-A	o	MOUNTED CIRCUIT BOARD, CPU-183
6pcs	3-191-747-01	o	SUPPORT (M3), HEXAGON
1pc	3-194-878-01	s	LEVER, PC BOARD
2pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
1pc	7-626-320-11	s	PIN, SPRING 3x8
6pcs	7-682-547-04	s	SCREW +B 3x6
6pcs	7-685-104-21	s	SCREW +P 2x6 TYPE2 SLIT
C1	1-128-401-11	s	ELECT 100uF 20% 25V
C2	1-128-401-11	s	ELECT 100uF 20% 25V
C3	1-128-401-11	s	ELECT 100uF 20% 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C11	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C21	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-163-038-91	s	CERAMIC 0.1uF 25V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C31	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C43	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C49	1-126-402-11	s	ELECT, CHIP 2.2uF 20% 50V
C50	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V

(CPU-183 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C51	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C52	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C53	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C54	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C55	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-126-399-11	s	ELECT, CHIP 10uF 20% 35V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-163-038-91	s	CERAMIC 0.1uF 25V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-038-91	s	CERAMIC 0.1uF 25V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V

(CPU-183 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V

(CPU-183 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-038-91	s	CERAMIC 0.1uF 25V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-038-91	s	CERAMIC 0.1uF 25V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C227	1-163-038-91	s	CERAMIC 0.1uF 25V
C228	1-163-038-91	s	CERAMIC 0.1uF 25V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V
C230	1-163-038-91	s	CERAMIC 0.1uF 25V
C231	1-163-038-91	s	CERAMIC 0.1uF 25V
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-038-91	s	CERAMIC 0.1uF 25V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-164-344-11	s	CERAMIC, CHIP 0.068uF 10% 25V
C243	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-038-91	s	CERAMIC 0.1uF 25V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-038-91	s	CERAMIC 0.1uF 25V
C255	1-163-038-91	s	CERAMIC 0.1uF 25V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-038-91	s	CERAMIC 0.1uF 25V
C258	1-163-038-91	s	CERAMIC 0.1uF 25V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C263	1-163-038-91	s	CERAMIC 0.1uF 25V
C264	1-163-038-91	s	CERAMIC 0.1uF 25V
C265	1-163-038-91	s	CERAMIC 0.1uF 25V
C266	1-163-038-91	s	CERAMIC 0.1uF 25V
C267	1-163-038-91	s	CERAMIC 0.1uF 25V
C268	1-163-038-91	s	CERAMIC 0.1uF 25V
C269	1-163-038-91	s	CERAMIC 0.1uF 25V
C270	1-163-038-91	s	CERAMIC 0.1uF 25V
C271	1-163-038-91	s	CERAMIC 0.1uF 25V
C272	1-163-038-91	s	CERAMIC 0.1uF 25V
C273	1-163-038-91	s	CERAMIC 0.1uF 25V
C274	1-163-038-91	s	CERAMIC 0.1uF 25V
C275	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-038-91	s	CERAMIC 0.1uF 25V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C279	1-163-038-91	s	CERAMIC 0.1uF 25V
C280	1-163-038-91	s	CERAMIC 0.1uF 25V
C281	1-163-038-91	s	CERAMIC 0.1uF 25V
C282	1-163-038-91	s	CERAMIC 0.1uF 25V
C283	1-163-038-91	s	CERAMIC 0.1uF 25V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V
C291	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C292	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-037-11	s	CERAMIC, CHIP 0.022uF 10% 25V
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN3	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN4	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN5	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN6	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN7	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN8	1-563-826-21	s	CONNECTOR D-SUB 15P, FEMALE
CN9	1-506-484-11	s	CONNECTOR 5P, MALE
CN10	1-564-013-11	o	CONNECTOR 3P, MALE

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Ref. No. or Q'ty	Part No.	SP	Description
CNA1	1-764-645-11	s	CONNECTOR, BB 100P, MALE
CNA2	1-764-645-11	s	CONNECTOR, BB 100P, MALE
CNA3	1-764-645-11	s	CONNECTOR, BB 100P, MALE
COP1	1-564-948-21	o	PIN, SHORTING
COP2	1-566-311-11	s	CONNECTOR, 10P, MALE
COP3	1-564-948-21	o	PIN, SHORTING
COP4	1-564-948-21	o	PIN, SHORTING
COP5	1-564-948-21	o	PIN, SHORTING
COP6	1-564-948-21	o	PIN, SHORTING
COP7	1-564-948-21	o	PIN, SHORTING
COP8	1-564-948-21	o	PIN, SHORTING
COP9	1-564-948-21	o	PIN, SHORTING
COP10	1-564-948-21	o	PIN, SHORTING
COP11	1-564-948-21	o	PIN, SHORTING
COP12	1-564-948-21	o	PIN, SHORTING
COR1	1-562-579-21	s	PLUG, SHORTING
COR2	1-562-579-21	s	PLUG, SHORTING
COR3	1-562-579-21	s	PLUG, SHORTING
COR4	1-562-579-21	s	PLUG, SHORTING
COR5	1-562-579-21	s	PLUG, SHORTING
COR6	1-562-579-21	s	PLUG, SHORTING
COR7	1-562-579-21	s	PLUG, SHORTING
COR8	1-562-579-21	s	PLUG, SHORTING
COR9	1-562-579-21	s	PLUG, SHORTING
COR10	1-562-579-21	s	PLUG, SHORTING
COR11	1-562-579-21	s	PLUG, SHORTING
D1	8-719-987-09	s	DIODE PG1102W
D2	8-719-987-09	s	DIODE PG1102W
D3	8-719-987-09	s	DIODE PG1102W
D4	8-719-987-09	s	DIODE PG1102W
D5	8-719-975-84	s	DIODE AY1101W-88
D6	8-719-975-84	s	DIODE AY1101W-88
D7	8-719-975-84	s	DIODE AY1101W-88
D8	8-719-951-19	s	DIODE VR1101W-TR
D9	8-719-951-19	s	DIODE VR1101W-TR
D10	8-719-987-09	s	DIODE PG1102W
D11	8-719-987-09	s	DIODE PG1102W
D12	8-719-951-19	s	DIODE VR1101W-TR
D13	8-719-951-19	s	DIODE VR1101W-TR
D14	8-719-987-09	s	DIODE PG1102W
D15	8-719-987-09	s	DIODE PG1102W
D16	8-719-951-19	s	DIODE VR1101W-TR
D17	8-719-987-09	s	DIODE PG1102W
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
FB3	1-543-256-11	s	BEAD, FERRITE
FB4	1-543-256-11	s	BEAD, FERRITE
FB5	1-543-256-11	s	BEAD, FERRITE
FB6	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-527-52	s	IC SN74ABT541BPW-E05
IC2	8-759-527-53	s	IC SN74ABT245BPW-E05
IC3	8-759-527-53	s	IC SN74ABT245BPW-E05

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Ref. No. or Q'ty	Part No.	SP	Description
IC4	8-759-527-53	s	IC SN74ABT245BPW-E05
IC5	8-759-386-23	s	IC 74LCX125SJX
IC6	8-759-527-52	s	IC SN74ABT541BPW-E05
IC7	8-759-527-53	s	IC SN74ABT245BPW-E05
IC8	8-759-527-53	s	IC SN74ABT245BPW-E05
IC9	8-759-386-27	s	IC 74LCX04MTCX
IC10	8-759-386-28	s	IC 74LCX00MTCX
IC11	8-759-527-50	s	IC SN74LVT16835DGGR
IC12	8-759-295-09	s	IC TLC2932IPW
IC13	8-759-527-52	s	IC SN74ABT541BPW-E05
IC14	8-759-527-52	s	IC SN74ABT541BPW-E05
IC15	8-759-528-60	s	IC CY7C133-55JC
IC16	8-759-527-48	s	IC SN74LVTH162244DGGR
IC17	8-759-528-51	s	IC IDT74FCT162245CTPA
IC18	8-759-528-51	s	IC IDT74FCT162245CTPA
IC19	8-759-528-41	s	IC IDT74FCT827CTSO-TL
IC20	8-759-528-41	s	IC IDT74FCT827CTSO-TL
IC21	8-759-528-52	s	IC IDT74FCT162260ETPA
IC22	8-759-528-52	s	IC IDT74FCT162260ETPA
IC23	8-759-527-50	s	IC SN74LVT16835DGGR
IC24	8-759-295-09	s	IC TLC2932IPW
IC25	8-759-528-51	s	IC IDT74FCT162245CTPA
IC26	8-759-528-51	s	IC IDT74FCT162245CTPA
IC27	8-759-527-53	s	IC SN74ABT245BPW-E05
IC28	8-759-527-53	s	IC SN74ABT245BPW-E05
IC29	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC30	8-759-527-48	s	IC SN74LVTH162244DGGR
IC31	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC32	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC33	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC34	8-759-528-52	s	IC IDT74FCT162260ETPA
IC35	8-759-527-48	s	IC SN74LVTH162244DGGR
IC36	8-759-295-09	s	IC TLC2932IPW
IC37	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC38	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC39	8-759-528-69	s	IC AT28C64B-15TC
IC40	8-759-528-69	s	IC AT28C64B-15TC
IC41	8-759-528-69	s	IC AT28C64B-15TC
IC42	8-759-528-69	s	IC AT28C64B-15TC
IC43	8-759-527-50	s	IC SN74LVT16835DGGR
IC44	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC45	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC48	8-759-527-50	s	IC SN74LVT16835DGGR
IC49	8-759-527-50	s	IC SN74LVT16835DGGR
IC50	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC51	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC52	8-759-528-54	s	IC IDT74FCT162501ETPA
IC53	8-759-528-54	s	IC IDT74FCT162501ETPA
IC54	8-759-527-50	s	IC SN74LVT16835DGGR
IC55	8-759-527-48	s	IC SN74LVTH162244DGGR
IC56	8-759-295-09	s	IC TLC2932IPW
IC57	8-759-542-60	s	IC EPM7032-BYTE
IC58	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC59	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC60	8-759-527-48	s	IC SN74LVTH162244DGGR
IC61	8-759-527-48	s	IC SN74LVTH162244DGGR
IC62	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC63	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC64	8-759-495-92	s	IC SN74LVTH16245ADGGR

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Ref. No. or Q'ty	Part No.	SP	Description
IC65	8-759-495-92	s	IC SN74LVTH16245ADGGR
IC66	8-759-527-49	s	IC SN74LVT16952DGGR
IC67	8-759-528-70	s	IC AV9154A-27CS16
IC68	8-759-563-86	o	IC EPM7192-ALLMAIN-V2
IC69	8-759-527-48	s	IC SN74LVTH162244DGGR
IC70	8-759-527-49	s	IC SN74LVT16952DGGR
IC71	8-759-528-38	s	IC IDT79RV4700-150G
IC72	8-759-527-51	s	IC SN74LVT16501DGGR
IC73	8-759-527-51	s	IC SN74LVT16501DGGR
IC74	8-759-180-50	s	IC MB89371AH-PF
IC75	8-759-527-51	s	IC SN74LVT16501DGGR
IC76	8-759-527-51	s	IC SN74LVT16501DGGR
IC77	8-759-541-77	o	IC EPM9320-ALLIO-V1
IC78	8-759-527-51	s	IC SN74LVT16501DGGR
IC79	8-759-527-51	s	IC SN74LVT16501DGGR
IC80	8-759-386-27	s	IC 74LCX04MTCX
IC81	8-759-389-30	s	IC 74LCX32MTCX
IC82	8-759-386-27	s	IC 74LCX04MTCX
IC83	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC84	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC85	8-759-527-51	s	IC SN74LVT16501DGGR
IC86	8-759-527-51	s	IC SN74LVT16501DGGR
IC87	8-759-528-55	s	IC IDT74FCT162841ETPA
IC88	8-759-284-84	s	IC DP83932CVF-33
IC89	8-759-472-94	s	IC MAX3241CAI-TE2
IC90	8-759-528-55	s	IC IDT74FCT162841ETPA
IC92	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC93	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC94	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC95	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC96	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC97	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC98	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC99	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC100	8-759-527-43	s	IC MAX708SCSA
IC101	8-759-527-42	s	IC MAX708CSA
IC200	8-759-386-27	s	IC 74LCX04MTCX
IS46	1-251-047-11	s	SOCKET, IC 44P
IS47	1-251-047-11	s	SOCKET, IC 44P
IS57	1-251-047-11	s	SOCKET, IC 44P
L1	1-421-370-00	s	COIL, CHOKE
L2	1-421-370-00	s	COIL, CHOKE
L3	1-421-370-00	s	COIL, CHOKE
R1	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R2	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R3	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R4	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R13	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R14	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R15	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R16	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R25	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R26	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R27	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R28	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R29	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R30	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R31	1-216-295-91	s	RES, CHIP 0

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Ref. No. or Q'ty	Part No.	SP	Description
R32	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R33	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R34	1-216-295-91	s	RES, CHIP 0
R35	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R36	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R37	1-216-295-91	s	RES, CHIP 0
R38	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R39	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R40	1-216-295-91	s	RES, CHIP 0
R42	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R43	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R44	1-216-295-91	s	RES, CHIP 0
R45	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R46	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R47	1-216-295-91	s	RES, CHIP 0
R48	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R49	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R50	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R51	1-216-295-91	s	RES, CHIP 0
R52	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R53	1-216-295-91	s	RES, CHIP 0
R54	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R55	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R56	1-216-158-00	s	METAL, CHIP 22 5% 1/8W
R57	1-216-615-11	s	METAL, CHIP 33 0.5% 1/10W
R58	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R59	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R60	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R61	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R62	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R69	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R70	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R74	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R76	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R77	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R78	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R79	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R82	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R83	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R84	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R85	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R88	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R89	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R90	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R91	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R92	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R93	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R94	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R95	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R96	1-216-295-91	s	RES, CHIP 0
R97	1-216-295-91	s	RES, CHIP 0
R98	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R99	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R100	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R101	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R107	1-216-295-91	s	RES, CHIP 0
R108	1-216-295-91	s	RES, CHIP 0
R127	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R128	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R129	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R131	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R132	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R135	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R138	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R139	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R140	1-216-295-91	s	RES, CHIP 0
R141	1-216-295-91	s	RES, CHIP 0
R142	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R143	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R146	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R147	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R148	1-216-295-91	s	RES, CHIP 0
R149	1-216-295-91	s	RES, CHIP 0
R150	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R151	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R152	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R153	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R154	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R155	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R156	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R157	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R158	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R159	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R160	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R161	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R162	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R163	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R164	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R165	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R166	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R167	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R168	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R169	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R170	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R171	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R172	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R173	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R174	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R175	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R176	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R177	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R178	1-216-308-00	s	METAL, CHIP 4.7 5% 1/10W
R179	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R180	1-216-308-00	s	METAL, CHIP 4.7 5% 1/10W
R181	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R182	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R183	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R184	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R185	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R186	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R187	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R188	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R189	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R190	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R191	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R192	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R193	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R194	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R195	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R196	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R197	1-218-776-11	s	METAL 1M 0.5% 1/10W
R198	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R205	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R207	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R208	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R209	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R212	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R213	1-218-758-11	s	METAL 180k 0.5% 1/10W
R214	1-218-758-11	s	METAL 180k 0.5% 1/10W
R215	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R216	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R217	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R218	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R219	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R223	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R224	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R225	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R226	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R227	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R228	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R230	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R231	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R232	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R236	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R237	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R238	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R239	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R240	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R241	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R242	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R243	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R244	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R245	1-216-637-11	s	METAL, CHIP 270 0.5% 1/10W
R246	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R247	1-216-617-11	s	METAL, CHIP 39 0.50% 1/10W
R248	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R249	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R250	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R251	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R256	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R257	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R258	1-216-649-11	s	METAL, CHIP 820 0.5% 1/10W
R259	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R260	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R261	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R262	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R263	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R264	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R265	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R266	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R267	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R268	1-216-657-11	s	METAL, CHIP 1.8k 0.5% 1/10W
R300	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R301	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R302	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R303	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R304	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R305	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R307	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R308	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R309	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R310	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R312	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R350	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R351	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R352	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R353	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R354	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R355	1-216-643-91	s	METAL 470 0.5% 1/10W
S1	1-692-535-11	s	SWITCH, DIP 4-CKT
S2	1-553-856-00	s	SWITCH, TACTILE
T1	1-431-823-11	s	TRANSFORMER, PULSE
X1	1-579-994-12	s	CRYSTAL 14.31818000MHz
X2	1-760-464-11	s	CRYSTAL 4.91520000MHz
X3	1-767-279-21	s	CRYSTAL 20.00000000MHz

DI-21 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-485-A	o	MOUNTED CIRCUIT BOARD, DI-21
1pc	1-783-425-11	o	CABLE ASSY, COAXIAL(I1)
1pc	1-783-426-11	o	CABLE ASSY, COAXIAL(I2)
1pc	1-783-427-11	o	CABLE ASSY, COAXIAL(I3)
1pc	1-783-428-11	o	CABLE ASSY, COAXIAL(I4)
1pc	1-783-429-11	o	CABLE ASSY, COAXIAL(I5)
1pc	1-783-430-11	o	CABLE ASSY, COAXIAL(I6)
1pc	1-783-431-11	o	CABLE ASSY, COAXIAL(I7)
1pc	1-783-432-11	o	CABLE ASSY, COAXIAL(I8)
1pc	1-783-433-11	o	CABLE ASSY, COAXIAL(I9)
1pc	1-783-434-11	o	CABLE ASSY, COAXIAL(I10)
1pc	1-783-435-11	o	CABLE ASSY, COAXIAL(I11)
1pc	1-783-436-11	o	CABLE ASSY, COAXIAL(I12)
1pc	1-783-437-11	o	CABLE ASSY, COAXIAL(I13)
1pc	1-783-438-11	o	CABLE ASSY, COAXIAL(I14)
1pc	1-783-439-11	o	CABLE ASSY, COAXIAL(I15)
45pcs	3-191-747-01	o	SUPPORT (M3), HEXAGON
2pcs	3-194-878-01	s	LEVER, PC BOARD
8pcs	3-683-631-01	o	CLAMP
14pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
2pcs	7-626-320-11	s	PIN, SPRING 3x8
45pcs	7-682-547-04	s	SCREW +B 3x6
C1	1-128-401-11	s	ELECT 100uF 20% 25V
C2	1-128-401-11	s	ELECT 100uF 20% 25V
C3	1-125-783-11	s	ELECT 820uF 20% 4V
C4	1-117-372-11	s	TANTALUM 100uF 20% 10V
C5	1-128-401-11	s	ELECT 100uF 20% 25V
C6	1-117-373-11	s	TANTALUM 150uF 20% 6.3V
C7	1-117-372-11	s	TANTALUM 100uF 20% 10V
C8	1-125-783-11	s	ELECT 820uF 20% 4V
C9	1-164-346-11	s	CERAMIC 1uF 16V
C10	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C11	1-125-783-11	s	ELECT 820uF 20% 4V
C12	1-164-346-11	s	CERAMIC 1uF 16V
C13	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C14	1-127-518-11	s	ALUMN SOLID 100uF 20% 16V
C15	1-125-783-11	s	ELECT 820uF 20% 4V
C16	1-117-372-11	s	TANTALUM 100uF 20% 10V
C17	1-164-346-11	s	CERAMIC 1uF 16V
C18	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C19	1-164-346-11	s	CERAMIC 1uF 16V
C20	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C21	1-125-783-11	s	ELECT 820uF 20% 4V
C22	1-127-518-11	s	ALUMN SOLID 100uF 20% 16V
C23	1-125-783-11	s	ELECT 820uF 20% 4V
C24	1-127-518-11	s	ALUMN SOLID 100uF 20% 16V
C25	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C27	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C28	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C35	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C54	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C57	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C63	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C64	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C74	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C75	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C78	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C79	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-038-91	s	CERAMIC 0.1uF 25V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-038-91	s	CERAMIC 0.1uF 25V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-163-038-91	s	CERAMIC 0.1uF 25V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-038-91	s	CERAMIC 0.1uF 25V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-038-91	s	CERAMIC 0.1uF 25V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C223	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C227	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C228	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C229	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C230	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C231	1-163-038-91	s	CERAMIC 0.1uF 25V
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-038-91	s	CERAMIC 0.1uF 25V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-163-038-91	s	CERAMIC 0.1uF 25V
C243	1-163-038-91	s	CERAMIC 0.1uF 25V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-038-91	s	CERAMIC 0.1uF 25V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-038-91	s	CERAMIC 0.1uF 25V
C255	1-163-038-91	s	CERAMIC 0.1uF 25V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C258	1-163-038-91	s	CERAMIC 0.1uF 25V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-038-91	s	CERAMIC 0.1uF 25V
C263	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C264	1-163-038-91	s	CERAMIC 0.1uF 25V
C265	1-117-373-11	s	TANTALUM 150uF 20% 6.3V
C266	1-117-373-11	s	TANTALUM 150uF 20% 6.3V
C267	1-117-373-11	s	TANTALUM 150uF 20% 6.3V
C268	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C269	1-117-372-11	s	TANTALUM 100uF 20% 10V
C270	1-125-783-11	s	ELECT 820uF 20% 4V
C271	1-117-372-11	s	TANTALUM 100uF 20% 10V
C272	1-117-372-11	s	TANTALUM 100uF 20% 10V
C273	1-117-372-11	s	TANTALUM 100uF 20% 10V
C274	1-125-783-11	s	ELECT 820uF 20% 4V
C275	1-117-372-11	s	TANTALUM 100uF 20% 10V
C276	1-117-372-11	s	TANTALUM 100uF 20% 10V
C277	1-117-372-11	s	TANTALUM 100uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP	Description
C278	1-117-372-11	s	TANTALUM 100uF 20% 10V
C279	1-125-783-11	s	ELECT 820uF 20% 4V
C280	1-117-372-11	s	TANTALUM 100uF 20% 10V
C281	1-163-038-91	s	CERAMIC 0.1uF 25V
C282	1-163-038-91	s	CERAMIC 0.1uF 25V
C283	1-163-038-91	s	CERAMIC 0.1uF 25V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V
C291	1-163-038-91	s	CERAMIC 0.1uF 25V
C292	1-163-038-91	s	CERAMIC 0.1uF 25V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C296	1-163-038-91	s	CERAMIC 0.1uF 25V
C297	1-163-038-91	s	CERAMIC 0.1uF 25V
C298	1-163-038-91	s	CERAMIC 0.1uF 25V
C299	1-163-038-91	s	CERAMIC 0.1uF 25V
C300	1-163-038-91	s	CERAMIC 0.1uF 25V
C301	1-163-038-91	s	CERAMIC 0.1uF 25V
C302	1-163-038-91	s	CERAMIC 0.1uF 25V
C303	1-163-038-91	s	CERAMIC 0.1uF 25V
C304	1-163-038-91	s	CERAMIC 0.1uF 25V
C305	1-163-038-91	s	CERAMIC 0.1uF 25V
C306	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C307	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C308	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C309	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C310	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C311	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C312	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C313	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C314	1-163-038-91	s	CERAMIC 0.1uF 25V
C315	1-163-038-91	s	CERAMIC 0.1uF 25V
C316	1-163-038-91	s	CERAMIC 0.1uF 25V
C317	1-163-038-91	s	CERAMIC 0.1uF 25V
C318	1-163-038-91	s	CERAMIC 0.1uF 25V
C319	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C320	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C321	1-163-038-91	s	CERAMIC 0.1uF 25V
C322	1-163-038-91	s	CERAMIC 0.1uF 25V
C323	1-163-038-91	s	CERAMIC 0.1uF 25V
C324	1-163-038-91	s	CERAMIC 0.1uF 25V
C325	1-163-038-91	s	CERAMIC 0.1uF 25V
C326	1-163-038-91	s	CERAMIC 0.1uF 25V
C327	1-163-038-91	s	CERAMIC 0.1uF 25V
C339	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C340	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C341	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C349	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C350	1-163-038-91	s	CERAMIC 0.1uF 25V
C351	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C352	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C353	1-163-038-91	s	CERAMIC 0.1uF 25V
C354	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C355	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C369	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C408	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C417	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C438	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C443	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C454	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C464	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C465	1-163-038-91	s	CERAMIC 0.1uF 25V
C466	1-163-038-91	s	CERAMIC 0.1uF 25V
C467	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C468	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C473	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C478	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C482	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C494	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C495	1-163-038-91	s	CERAMIC 0.1uF 25V
C496	1-163-038-91	s	CERAMIC 0.1uF 25V
C497	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C514	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C529	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C551	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C563	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C564	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C574	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C575	1-163-038-91	s	CERAMIC 0.1uF 25V
C576	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C583	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C584	1-163-038-91	s	CERAMIC 0.1uF 25V
C585	1-163-038-91	s	CERAMIC 0.1uF 25V
C586	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C587	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C608	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C609	1-163-038-91	s	CERAMIC 0.1uF 25V
C610	1-163-038-91	s	CERAMIC 0.1uF 25V
C611	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C616	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C626	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C631	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C637	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C646	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C657	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C665	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C678	1-164-346-11	s	CERAMIC 1uF 16V
C679	1-164-346-11	s	CERAMIC 1uF 16V
C680	1-164-346-11	s	CERAMIC 1uF 16V
C689	1-164-346-11	s	CERAMIC 1uF 16V
C690	1-163-038-91	s	CERAMIC 0.1uF 25V
C691	1-164-346-11	s	CERAMIC 1uF 16V
C692	1-163-038-91	s	CERAMIC 0.1uF 25V
C693	1-164-346-11	s	CERAMIC 1uF 16V
C694	1-163-038-91	s	CERAMIC 0.1uF 25V
C695	1-164-346-11	s	CERAMIC 1uF 16V
C696	1-163-038-91	s	CERAMIC 0.1uF 25V
C697	1-163-038-91	s	CERAMIC 0.1uF 25V
C698	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C699	1-163-038-91	s	CERAMIC 0.1uF 25V
C700	1-163-038-91	s	CERAMIC 0.1uF 25V
C701	1-164-346-11	s	CERAMIC 1uF 16V

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Ref. No. or Q'ty	Part No.	SP	Description
C702	1-164-346-11	s	CERAMIC 1uF 16V
C703	1-164-346-11	s	CERAMIC 1uF 16V
C704	1-164-346-11	s	CERAMIC 1uF 16V
C705	1-163-038-91	s	CERAMIC 0.1uF 25V
C706	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C710	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C711	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C721	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C722	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C723	1-164-346-11	s	CERAMIC 1uF 16V
C724	1-163-038-91	s	CERAMIC 0.1uF 25V
C725	1-163-038-91	s	CERAMIC 0.1uF 25V
C726	1-164-346-11	s	CERAMIC 1uF 16V
C727	1-164-346-11	s	CERAMIC 1uF 16V
C728	1-164-346-11	s	CERAMIC 1uF 16V
C729	1-164-346-11	s	CERAMIC 1uF 16V
C730	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C737	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C738	1-163-038-91	s	CERAMIC 0.1uF 25V
C739	1-163-038-91	s	CERAMIC 0.1uF 25V
C774	1-107-884-11	s	ELECT 1000uF 20% 16V
C775	1-107-884-11	s	ELECT 1000uF 20% 16V
C776	1-107-884-11	s	ELECT 1000uF 20% 16V
C777	1-107-884-11	s	ELECT 1000uF 20% 16V
C778	1-107-884-11	s	ELECT 1000uF 20% 16V
C779	1-107-884-11	s	ELECT 1000uF 20% 16V
C780	1-107-884-11	s	ELECT 1000uF 20% 16V
C781	1-107-884-11	s	ELECT 1000uF 20% 16V
C782	1-107-884-11	s	ELECT 1000uF 20% 16V
C785	1-163-038-91	s	CERAMIC 0.1uF 25V
C786	1-117-372-11	s	TANTALUM 100uF 20% 10V
C787	1-117-372-11	s	TANTALUM 100uF 20% 10V
C788	1-117-372-11	s	TANTALUM 100uF 20% 10V
C789	1-117-372-11	s	TANTALUM 100uF 20% 10V
C790	1-117-372-11	s	TANTALUM 100uF 20% 10V
C791	1-117-372-11	s	TANTALUM 100uF 20% 10V
C792	1-117-372-11	s	TANTALUM 100uF 20% 10V
C793	1-117-372-11	s	TANTALUM 100uF 20% 10V
C794	1-117-372-11	s	TANTALUM 100uF 20% 10V
C795	1-117-372-11	s	TANTALUM 100uF 20% 10V
C796	1-117-372-11	s	TANTALUM 100uF 20% 10V
C797	1-117-372-11	s	TANTALUM 100uF 20% 10V
C798	1-117-372-11	s	TANTALUM 100uF 20% 10V
C799	1-117-372-11	s	TANTALUM 100uF 20% 10V
C800	1-117-372-11	s	TANTALUM 100uF 20% 10V
CN2	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN3	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN4	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN5	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN6	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN7	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN8	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN9	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN10	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN11	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN12	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN13	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN14	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN15	1-779-393-11	o	CONNECTOR, BB 100P, MALE

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Ref. No. or Q'ty	Part No.	SP	Description
CN16	1-779-393-11	o	CONNECTOR, BB 100P, MALE
D1	8-719-975-84	s	DIODE AY1101W-88
D2	8-719-975-84	s	DIODE AY1101W-88
D3	8-719-975-84	s	DIODE AY1101W-88
D4	8-719-975-84	s	DIODE AY1101W-88
D5	8-719-048-17	s	DIODE MBRS130LT3
D6	8-719-048-17	s	DIODE MBRS130LT3
D7	8-719-048-17	s	DIODE MBRS130LT3
D8	8-719-048-17	s	DIODE MBRS130LT3
D9	8-719-048-17	s	DIODE MBRS130LT3
D10	8-719-048-17	s	DIODE MBRS130LT3
D11	8-719-048-17	s	DIODE MBRS130LT3
D12	8-719-048-17	s	DIODE MBRS130LT3
D20	8-719-951-19	s	DIODE VR1101W-TR
D21	8-719-951-19	s	DIODE VR1101W-TR
D22	8-719-951-19	s	DIODE VR1101W-TR
D23	8-719-951-19	s	DIODE VR1101W-TR
D24	8-719-951-19	s	DIODE VR1101W-TR
D25	8-719-951-19	s	DIODE VR1101W-TR
D26	8-719-951-19	s	DIODE VR1101W-TR
D27	8-719-951-19	s	DIODE VR1101W-TR
D28	8-719-951-19	s	DIODE VR1101W-TR
D29	8-719-951-19	s	DIODE VR1101W-TR
D30	8-719-951-19	s	DIODE VR1101W-TR
D31	8-719-951-19	s	DIODE VR1101W-TR
D32	8-719-951-19	s	DIODE VR1101W-TR
D33	8-719-951-19	s	DIODE VR1101W-TR
D34	8-719-951-19	s	DIODE VR1101W-TR
D35	8-719-975-84	s	DIODE AY1101W-88
D36	8-719-048-17	s	DIODE MBRS130LT3
D37	8-719-048-17	s	DIODE MBRS130LT3
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F5	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F6	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F7	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F8	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F10	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F11	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F12	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC3	8-759-466-60	s	IC LTC1266CS-E2
IC4	8-759-466-60	s	IC LTC1266CS-E2
IC9	8-759-466-60	s	IC LTC1266CS-E2
IC10	8-759-466-60	s	IC LTC1266CS-E2
IC13	8-759-523-51	s	IC TC74ACT574FT(EL)
IC14	8-759-465-49	s	IC MC10ELT21DR2
IC15	8-759-466-59	s	IC CGS2535TVX
IC16	8-759-466-59	s	IC CGS2535TVX
IC17	8-759-386-27	s	IC 74LCX04MTCX
IC18	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC19	8-759-466-21	s	IC S4405B-80
IC20	8-759-464-46	s	IC CXD8899J
IC21	8-759-464-46	s	IC CXD8899J

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Ref. No. or Q'ty	Part No.	SP	Description
IC22	8-759-464-48	s	IC CXD8900J
IC23	8-759-464-46	s	IC CXD8899J
IC24	8-759-386-27	s	IC 74LCX04MTCX
IC25	8-759-464-46	s	IC CXD8899J
IC26	8-759-464-48	s	IC CXD8900J
IC27	8-759-271-78	s	IC DS26C32ATM
IC28	8-759-271-82	s	IC DS3695ATM
IC29	8-759-464-48	s	IC CXD8900J
IC30	8-759-464-48	s	IC CXD8900J
IC31	8-759-464-48	s	IC CXD8900J
IC32	8-759-464-46	s	IC CXD8899J
IC33	8-759-464-46	s	IC CXD8899J
IC34	8-759-464-48	s	IC CXD8900J
IC36	8-759-469-98	s	IC CAT93C66K-LE10
IC37	8-759-386-27	s	IC 74LCX04MTCX
IC38	8-759-505-00	s	IC CXD8052Q
IC40	8-759-464-48	s	IC CXD8900J
IC41	8-759-464-48	s	IC CXD8900J
IC42	8-759-464-48	s	IC CXD8900J
IC43	8-759-464-48	s	IC CXD8900J
IC44	8-759-464-48	s	IC CXD8900J
IC45	8-759-464-48	s	IC CXD8900J
IC46	8-759-464-48	s	IC CXD8900J
IC47	8-759-464-48	s	IC CXD8900J
IC48	8-759-464-48	s	IC CXD8900J
IC49	8-759-464-48	s	IC CXD8900J
IC50	8-759-464-48	s	IC CXD8900J
IC51	8-759-464-48	s	IC CXD8900J
IC52	8-759-464-46	s	IC CXD8899J
IC53	8-759-464-46	s	IC CXD8899J
IC54	8-759-464-46	s	IC CXD8899J
IC55	8-759-464-46	s	IC CXD8899J
IC56	8-759-464-46	s	IC CXD8899J
IC57	8-759-464-46	s	IC CXD8899J
IC58	8-759-464-46	s	IC CXD8899J
IC59	8-759-464-46	s	IC CXD8899J
IC60	8-759-464-46	s	IC CXD8899J
IC61	8-759-464-46	s	IC CXD8899J
IC62	8-759-464-46	s	IC CXD8899J
IC63	8-759-464-46	s	IC CXD8899J
IC64	8-759-386-27	s	IC 74LCX04MTCX
IC65	8-759-386-27	s	IC 74LCX04MTCX
IC66	8-759-386-27	s	IC 74LCX04MTCX
IC67	8-759-386-27	s	IC 74LCX04MTCX
IC68	8-759-386-27	s	IC 74LCX04MTCX
IC69	8-759-386-27	s	IC 74LCX04MTCX
IC70	8-759-186-55	s	IC TC74VHC165F
IC71	8-759-523-45	s	IC TC74ACT244FT(EL)
IC72	8-759-456-26	s	IC 74LCX541MTCX
IC73	8-759-456-26	s	IC 74LCX541MTCX
IC74	8-759-456-26	s	IC 74LCX541MTCX
IC75	8-759-456-26	s	IC 74LCX541MTCX
IC76	8-759-456-26	s	IC 74LCX541MTCX
IC77	8-759-186-55	s	IC TC74VHC165F
IC78	8-759-386-27	s	IC 74LCX04MTCX
IC79	8-759-464-48	s	IC CXD8900J
IC80	8-759-464-48	s	IC CXD8900J
IC81	8-759-464-48	s	IC CXD8900J
IC82	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC83	8-759-464-48	s	IC CXD8900J
IC84	8-759-464-48	s	IC CXD8900J
IC85	8-759-464-48	s	IC CXD8900J
IC86	8-759-464-48	s	IC CXD8900J
IC87	8-759-464-48	s	IC CXD8900J
IC88	8-759-464-48	s	IC CXD8900J
IC89	8-759-464-48	s	IC CXD8900J
IC90	8-759-464-48	s	IC CXD8900J
IC91	8-759-464-46	s	IC CXD8899J
IC92	8-759-464-46	s	IC CXD8899J
IC93	8-759-464-46	s	IC CXD8899J
IC94	8-759-464-46	s	IC CXD8899J
IC95	8-759-464-46	s	IC CXD8899J
IC96	8-759-464-46	s	IC CXD8899J
IC97	8-759-464-46	s	IC CXD8899J
IC98	8-759-464-46	s	IC CXD8899J
IC99	8-759-464-46	s	IC CXD8899J
IC100	8-759-464-46	s	IC CXD8899J
IC101	8-759-464-46	s	IC CXD8899J
IC102	8-759-464-46	s	IC CXD8899J
IC103	8-759-386-27	s	IC 74LCX04MTCX
IC104	8-759-386-27	s	IC 74LCX04MTCX
IC105	8-759-386-27	s	IC 74LCX04MTCX
IC106	8-759-386-27	s	IC 74LCX04MTCX
IC107	8-759-386-27	s	IC 74LCX04MTCX
IC108	8-759-386-27	s	IC 74LCX04MTCX
IC200	8-759-448-56	s	IC TC74AC240F-EL
IC201	8-759-389-48	s	IC 74LCX16374MTDX
IC202	8-759-523-49	s	IC TC74ACT541FT(EL)
IC203	8-759-389-48	s	IC 74LCX16374MTDX
IC204	8-759-523-49	s	IC TC74ACT541FT(EL)
IC205	8-759-466-60	s	IC LTC1266CS-E2
IC206	8-759-466-59	s	IC CGS2535TVX
IC207	8-759-389-48	s	IC 74LCX16374MTDX
IC208	8-759-466-59	s	IC CGS2535TVX
IC209	8-759-389-48	s	IC 74LCX16374MTDX
IC210	8-759-389-48	s	IC 74LCX16374MTDX
IC211	8-759-389-48	s	IC 74LCX16374MTDX
IC212	8-759-389-48	s	IC 74LCX16374MTDX
IC213	8-759-389-48	s	IC 74LCX16374MTDX
IC214	8-759-466-59	s	IC CGS2535TVX
IC215	8-759-389-48	s	IC 74LCX16374MTDX
IC216	8-759-389-48	s	IC 74LCX16374MTDX
IC217	8-759-389-48	s	IC 74LCX16374MTDX
IC218	8-759-389-48	s	IC 74LCX16374MTDX
IC219	8-759-389-48	s	IC 74LCX16374MTDX
IC220	8-759-389-48	s	IC 74LCX16374MTDX
IC221	8-759-389-48	s	IC 74LCX16374MTDX
IC222	8-759-466-59	s	IC CGS2535TVX
IC223	8-759-468-08	s	IC 74LVX3L384QSCX
IC224	8-759-468-08	s	IC 74LVX3L384QSCX
IC225	8-759-389-48	s	IC 74LCX16374MTDX
IC226	8-759-389-48	s	IC 74LCX16374MTDX
IC227	8-759-389-48	s	IC 74LCX16374MTDX
IC228	8-759-389-48	s	IC 74LCX16374MTDX
IC229	8-759-389-48	s	IC 74LCX16374MTDX
IC230	8-759-389-48	s	IC 74LCX16374MTDX
IC231	8-759-389-48	s	IC 74LCX16374MTDX
IC232	8-759-389-48	s	IC 74LCX16374MTDX

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Ref. No. or Q'ty	Part No.	SP	Description
IC233	8-759-389-48	s	IC 74LCX16374MTDX
IC234	8-759-456-26	s	IC 74LCX541MTCX
IC235	8-759-389-48	s	IC 74LCX16374MTDX
IC236	8-759-389-48	s	IC 74LCX16374MTDX
IC237	8-759-523-49	s	IC TC74ACT541FT(EL)
IC238	8-759-523-49	s	IC TC74ACT541FT(EL)
IC239	8-759-389-48	s	IC 74LCX16374MTDX
IC240	8-759-456-26	s	IC 74LCX541MTCX
IC241	8-759-523-49	s	IC TC74ACT541FT(EL)
IC242	8-759-523-49	s	IC TC74ACT541FT(EL)
IC243	8-759-389-48	s	IC 74LCX16374MTDX
IC244	8-759-389-48	s	IC 74LCX16374MTDX
IC245	8-759-389-48	s	IC 74LCX16374MTDX
IC246	8-759-389-48	s	IC 74LCX16374MTDX
IC247	8-759-523-49	s	IC TC74ACT541FT(EL)
IC248	8-759-523-36	s	IC TC74ACT04FT(EL)
IC249	8-759-523-49	s	IC TC74ACT541FT(EL)
IC250	8-759-523-49	s	IC TC74ACT541FT(EL)
IC251	8-759-186-55	s	IC TC74VHC165F
IC252	8-759-186-55	s	IC TC74VHC165F
IC253	8-759-523-49	s	IC TC74ACT541FT(EL)
IC254	8-759-523-49	s	IC TC74ACT541FT(EL)
IC255	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC256	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC257	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC258	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC259	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC260	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC261	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC262	8-759-523-97	s	IC TC74VHC123AFT(EL)
IC263	8-759-386-27	s	IC 74LCX04MTCX
IC264	8-759-386-27	s	IC 74LCX04MTCX
IC265	8-759-386-27	s	IC 74LCX04MTCX
IC300	8-759-389-45	s	IC 74LCX16244MTDX
IC301	8-759-389-45	s	IC 74LCX16244MTDX
IC302	8-759-389-45	s	IC 74LCX16244MTDX
IC303	8-759-389-45	s	IC 74LCX16244MTDX
IC304	8-759-389-45	s	IC 74LCX16244MTDX
IC305	8-759-389-45	s	IC 74LCX16244MTDX
IS39	1-251-731-11	o	SOCKET, IC 68P
L1	1-421-370-00	s	COIL, CHOKE
L5	1-469-060-11	s	INDUCTOR 6.1uH
L6	1-469-060-11	s	INDUCTOR 6.1uH
L7	1-469-060-11	s	INDUCTOR 6.1uH
L8	1-469-060-11	s	INDUCTOR 6.1uH
L15	1-469-060-11	s	INDUCTOR 6.1uH
Q1	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q2	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q3	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q4	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q5	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q6	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q7	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q8	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q9	8-729-025-01	s	TRANSISTOR SI9410DY-T1
Q10	8-729-025-01	s	TRANSISTOR SI9410DY-T1
R1	1-219-610-11	s	METAL, CHIP 0.02 1% 1W

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Ref. No. or Q'ty	Part No.	SP	Description
R2	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R3	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R4	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R5	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R6	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R7	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R9	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R10	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R47	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R50	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R51	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R64	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R65	1-218-756-11	s	METAL 150k 0.5% 1/10W
R66	1-216-688-11	s	METAL, CHIP 36k 0.5% 1/10W
R67	1-216-686-11	s	METAL, CHIP 30k 0.5% 1/10W
R74	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R76	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R78	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R79	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R86	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R97	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R108	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R109	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R116	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R117	1-218-756-11	s	METAL 150k 0.5% 1/10W
R118	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R119	1-218-756-11	s	METAL 150k 0.5% 1/10W
R126	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R127	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R138	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R149	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R160	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R171	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R182	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R193	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R204	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R215	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R226	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R237	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R248	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R259	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R278	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R289	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R300	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R311	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R322	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R333	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R344	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R355	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R366	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R377	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R388	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R399	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R400	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R401	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R402	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R403	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R502	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R505	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R507	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R508	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R510	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R512	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R513	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R514	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R517	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R519	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R520	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R521	1-216-295-91	s	RES, CHIP 0
R522	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R523	1-216-295-91	s	RES, CHIP 0
R524	1-216-295-91	s	RES, CHIP 0
R525	1-216-295-91	s	RES, CHIP 0
R526	1-216-295-91	s	RES, CHIP 0
R527	1-216-295-91	s	RES, CHIP 0
R528	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R529	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R531	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R533	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R534	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R537	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R541	1-216-295-91	s	RES, CHIP 0
R542	1-216-295-91	s	RES, CHIP 0
R543	1-216-295-91	s	RES, CHIP 0
R544	1-216-295-91	s	RES, CHIP 0
R545	1-216-295-91	s	RES, CHIP 0
R546	1-216-295-91	s	RES, CHIP 0
R549	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R550	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R551	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R552	1-216-295-91	s	RES, CHIP 0
R553	1-216-295-91	s	RES, CHIP 0
R554	1-216-295-91	s	RES, CHIP 0
R555	1-216-295-91	s	RES, CHIP 0
R556	1-216-295-91	s	RES, CHIP 0
R557	1-216-295-91	s	RES, CHIP 0
R558	1-216-295-91	s	RES, CHIP 0
R559	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R560	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R562	1-216-295-91	s	RES, CHIP 0
R563	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R564	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R566	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R567	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R570	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R573	1-216-295-91	s	RES, CHIP 0
R574	1-216-295-91	s	RES, CHIP 0
R575	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R576	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R577	1-216-295-91	s	RES, CHIP 0
R578	1-216-295-91	s	RES, CHIP 0
R579	1-216-295-91	s	RES, CHIP 0
R580	1-216-295-91	s	RES, CHIP 0
R582	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R584	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R585	1-216-295-91	s	RES, CHIP 0
R586	1-216-295-91	s	RES, CHIP 0
R587	1-216-295-91	s	RES, CHIP 0

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Ref. No. or Q'ty	Part No.	SP	Description
R588	1-216-295-91	s	RES, CHIP 0
R589	1-216-295-91	s	RES, CHIP 0
R590	1-216-295-91	s	RES, CHIP 0
R591	1-216-295-91	s	RES, CHIP 0
R592	1-216-295-91	s	RES, CHIP 0
R593	1-216-295-91	s	RES, CHIP 0
R594	1-216-295-91	s	RES, CHIP 0
R595	1-216-295-91	s	RES, CHIP 0
R596	1-216-295-91	s	RES, CHIP 0
R597	1-216-295-91	s	RES, CHIP 0
R598	1-216-295-91	s	RES, CHIP 0
R599	1-216-295-91	s	RES, CHIP 0
R600	1-216-295-91	s	RES, CHIP 0
R601	1-216-295-91	s	RES, CHIP 0
R602	1-216-295-91	s	RES, CHIP 0
R603	1-216-295-91	s	RES, CHIP 0
R604	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R606	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R609	1-216-295-91	s	RES, CHIP 0
R610	1-216-295-91	s	RES, CHIP 0
R611	1-216-295-91	s	RES, CHIP 0
R612	1-216-295-91	s	RES, CHIP 0
R613	1-216-295-91	s	RES, CHIP 0
R614	1-216-295-91	s	RES, CHIP 0
R615	1-216-295-91	s	RES, CHIP 0
R616	1-216-295-91	s	RES, CHIP 0
R617	1-216-295-91	s	RES, CHIP 0
R618	1-216-295-91	s	RES, CHIP 0
R619	1-216-295-91	s	RES, CHIP 0
R620	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R622	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R624	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R625	1-216-295-91	s	RES, CHIP 0
R626	1-216-295-91	s	RES, CHIP 0
R627	1-216-295-91	s	RES, CHIP 0
R628	1-216-295-91	s	RES, CHIP 0
R629	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R630	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R631	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R633	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R634	1-216-295-91	s	RES, CHIP 0
R635	1-216-295-91	s	RES, CHIP 0
R636	1-216-295-91	s	RES, CHIP 0
R637	1-216-295-91	s	RES, CHIP 0
R638	1-216-295-91	s	RES, CHIP 0
R639	1-216-295-91	s	RES, CHIP 0
R640	1-216-295-91	s	RES, CHIP 0
R641	1-216-295-91	s	RES, CHIP 0
R642	1-216-295-91	s	RES, CHIP 0
R645	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R648	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R649	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R651	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R655	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R656	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R659	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R660	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R662	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R665	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R667	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R668	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R670	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R673	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R675	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R677	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R679	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R681	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R683	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R684	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R686	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R688	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R690	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R692	1-218-776-11	s	METAL 1M 0.5% 1/10W
R693	1-218-776-11	s	METAL 1M 0.5% 1/10W
R694	1-218-776-11	s	METAL 1M 0.5% 1/10W
R695	1-218-776-11	s	METAL 1M 0.5% 1/10W
R696	1-218-776-11	s	METAL 1M 0.5% 1/10W
R697	1-218-776-11	s	METAL 1M 0.5% 1/10W
R698	1-218-776-11	s	METAL 1M 0.5% 1/10W
R699	1-218-776-11	s	METAL 1M 0.5% 1/10W
R700	1-218-776-11	s	METAL 1M 0.5% 1/10W
R701	1-218-776-11	s	METAL 1M 0.5% 1/10W
R702	1-218-776-11	s	METAL 1M 0.5% 1/10W
R704	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R705	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R706	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R708	1-216-686-11	s	METAL, CHIP 30k 0.5% 1/10W
R709	1-216-688-11	s	METAL, CHIP 36k 0.5% 1/10W
R710	1-218-776-11	s	METAL 1M 0.5% 1/10W
R711	1-218-776-11	s	METAL 1M 0.5% 1/10W
R712	1-218-776-11	s	METAL 1M 0.5% 1/10W
R713	1-218-776-11	s	METAL 1M 0.5% 1/10W
R714	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R716	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R718	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R719	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R720	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R721	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R722	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R723	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R724	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R725	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R726	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R727	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R728	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R729	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R730	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R731	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R732	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R733	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
RB1	1-234-078-11	s	RES, CHIP NETWORK 47
RB2	1-234-078-11	s	RES, CHIP NETWORK 47
RB3	1-234-078-11	s	RES, CHIP NETWORK 47
RB4	1-234-078-11	s	RES, CHIP NETWORK 47
RB5	1-234-078-11	s	RES, CHIP NETWORK 47
RB6	1-234-078-11	s	RES, CHIP NETWORK 47
RB7	1-234-078-11	s	RES, CHIP NETWORK 47

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Ref. No. or Q'ty	Part No.	SP	Description
RB8	1-234-078-11	s	RES, CHIP NETWORK 47
RB9	1-234-078-11	s	RES, CHIP NETWORK 47
RB10	1-234-078-11	s	RES, CHIP NETWORK 47
RB11	1-234-078-11	s	RES, CHIP NETWORK 47
RB12	1-234-078-11	s	RES, CHIP NETWORK 47
RB13	1-234-078-11	s	RES, CHIP NETWORK 47
RB14	1-234-078-11	s	RES, CHIP NETWORK 47
RB15	1-234-078-11	s	RES, CHIP NETWORK 47
RB16	1-234-078-11	s	RES, CHIP NETWORK 47
RB17	1-234-078-11	s	RES, CHIP NETWORK 47
RB18	1-234-078-11	s	RES, CHIP NETWORK 47
RB19	1-234-078-11	s	RES, CHIP NETWORK 47
RB20	1-234-078-11	s	RES, CHIP NETWORK 47
RB21	1-234-078-11	s	RES, CHIP NETWORK 47
RB22	1-234-078-11	s	RES, CHIP NETWORK 47
RB23	1-234-078-11	s	RES, CHIP NETWORK 47
RB24	1-234-078-11	s	RES, CHIP NETWORK 47
RB25	1-234-078-11	s	RES, CHIP NETWORK 47
RB26	1-234-078-11	s	RES, CHIP NETWORK 47
RB27	1-234-078-11	s	RES, CHIP NETWORK 47
RB28	1-234-078-11	s	RES, CHIP NETWORK 47
RB29	1-234-078-11	s	RES, CHIP NETWORK 47
RB30	1-234-078-11	s	RES, CHIP NETWORK 47
RB31	1-234-078-11	s	RES, CHIP NETWORK 47
RB32	1-234-078-11	s	RES, CHIP NETWORK 47
RB33	1-234-078-11	s	RES, CHIP NETWORK 47
RB34	1-234-078-11	s	RES, CHIP NETWORK 47
RB35	1-234-078-11	s	RES, CHIP NETWORK 47
RB36	1-234-078-11	s	RES, CHIP NETWORK 47
RB37	1-234-078-11	s	RES, CHIP NETWORK 47
RB38	1-234-078-11	s	RES, CHIP NETWORK 47
RB39	1-234-078-11	s	RES, CHIP NETWORK 47
RB40	1-234-078-11	s	RES, CHIP NETWORK 47
RB41	1-234-078-11	s	RES, CHIP NETWORK 47
RB42	1-234-078-11	s	RES, CHIP NETWORK 47
RB43	1-234-078-11	s	RES, CHIP NETWORK 47
RB44	1-234-078-11	s	RES, CHIP NETWORK 47
RB45	1-234-078-11	s	RES, CHIP NETWORK 47
RB46	1-234-078-11	s	RES, CHIP NETWORK 47
RB47	1-234-078-11	s	RES, CHIP NETWORK 47
RB48	1-234-078-11	s	RES, CHIP NETWORK 47
RB49	1-234-078-11	s	RES, CHIP NETWORK 47
RB50	1-234-078-11	s	RES, CHIP NETWORK 47
RB51	1-234-078-11	s	RES, CHIP NETWORK 47
RB52	1-234-078-11	s	RES, CHIP NETWORK 47
RB53	1-234-078-11	s	RES, CHIP NETWORK 47
RB54	1-234-078-11	s	RES, CHIP NETWORK 47
RB55	1-234-078-11	s	RES, CHIP NETWORK 47
RB56	1-234-078-11	s	RES, CHIP NETWORK 47
RB57	1-234-078-11	s	RES, CHIP NETWORK 47
RB58	1-234-078-11	s	RES, CHIP NETWORK 47
RB59	1-234-078-11	s	RES, CHIP NETWORK 47
RB60	1-234-078-11	s	RES, CHIP NETWORK 47
RB61	1-234-078-11	s	RES, CHIP NETWORK 47
RB62	1-234-078-11	s	RES, CHIP NETWORK 47
RB63	1-234-078-11	s	RES, CHIP NETWORK 47
RB64	1-234-078-11	s	RES, CHIP NETWORK 47
RB65	1-234-078-11	s	RES, CHIP NETWORK 47
RB66	1-234-078-11	s	RES, CHIP NETWORK 47

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Ref. No. or Q'ty	Part No.	SP	Description
RB67	1-234-078-11	s	RES, CHIP NETWORK 47
RB68	1-234-078-11	s	RES, CHIP NETWORK 47
RB69	1-234-078-11	s	RES, CHIP NETWORK 47
RB70	1-234-078-11	s	RES, CHIP NETWORK 47
RB71	1-234-078-11	s	RES, CHIP NETWORK 47
RB72	1-234-078-11	s	RES, CHIP NETWORK 47
RB73	1-234-078-11	s	RES, CHIP NETWORK 47
RB74	1-234-078-11	s	RES, CHIP NETWORK 47
RB75	1-234-078-11	s	RES, CHIP NETWORK 47
RB76	1-234-078-11	s	RES, CHIP NETWORK 47
RB77	1-234-078-11	s	RES, CHIP NETWORK 47
RB78	1-234-078-11	s	RES, CHIP NETWORK 47
RB79	1-234-078-11	s	RES, CHIP NETWORK 47
RB80	1-234-078-11	s	RES, CHIP NETWORK 47
RB81	1-234-078-11	s	RES, CHIP NETWORK 47
RB82	1-234-078-11	s	RES, CHIP NETWORK 47
RB83	1-234-078-11	s	RES, CHIP NETWORK 47
RB84	1-234-078-11	s	RES, CHIP NETWORK 47
RB85	1-234-078-11	s	RES, CHIP NETWORK 47
RB86	1-234-078-11	s	RES, CHIP NETWORK 47
RB87	1-234-078-11	s	RES, CHIP NETWORK 47
RB88	1-234-078-11	s	RES, CHIP NETWORK 47
RB89	1-234-078-11	s	RES, CHIP NETWORK 47
RB90	1-234-078-11	s	RES, CHIP NETWORK 47
RB102	1-233-448-11	s	RES, CHIP NETWORK 22
RB103	1-233-448-11	s	RES, CHIP NETWORK 22
RB104	1-233-448-11	s	RES, CHIP NETWORK 22
RB105	1-233-448-11	s	RES, CHIP NETWORK 22
RB106	1-233-448-11	s	RES, CHIP NETWORK 22
RB107	1-233-448-11	s	RES, CHIP NETWORK 22
RB108	1-233-448-11	s	RES, CHIP NETWORK 22
RB109	1-233-448-11	s	RES, CHIP NETWORK 22
RB112	1-233-448-11	s	RES, CHIP NETWORK 22
RB113	1-233-448-11	s	RES, CHIP NETWORK 22
RB114	1-233-448-11	s	RES, CHIP NETWORK 22
RB115	1-233-448-11	s	RES, CHIP NETWORK 22
RB116	1-233-448-11	s	RES, CHIP NETWORK 22
RB117	1-233-448-11	s	RES, CHIP NETWORK 22
RB118	1-233-448-11	s	RES, CHIP NETWORK 22
RB119	1-233-448-11	s	RES, CHIP NETWORK 22
RB132	1-233-448-11	s	RES, CHIP NETWORK 22
RB133	1-233-448-11	s	RES, CHIP NETWORK 22
RB134	1-233-448-11	s	RES, CHIP NETWORK 22
RB135	1-233-448-11	s	RES, CHIP NETWORK 22
RB136	1-233-448-11	s	RES, CHIP NETWORK 22
RB137	1-233-448-11	s	RES, CHIP NETWORK 22
RB138	1-233-448-11	s	RES, CHIP NETWORK 22
RB139	1-233-448-11	s	RES, CHIP NETWORK 22
RB200	1-233-448-11	s	RES, CHIP NETWORK 22
RB201	1-233-448-11	s	RES, CHIP NETWORK 22
RB202	1-233-448-11	s	RES, CHIP NETWORK 22
RB203	1-233-448-11	s	RES, CHIP NETWORK 22
RB204	1-233-448-11	s	RES, CHIP NETWORK 22
RB205	1-233-448-11	s	RES, CHIP NETWORK 22
RB206	1-233-448-11	s	RES, CHIP NETWORK 22
RB207	1-233-448-11	s	RES, CHIP NETWORK 22
RB208	1-233-448-11	s	RES, CHIP NETWORK 22
RB209	1-233-448-11	s	RES, CHIP NETWORK 22
RB210	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB211	1-233-448-11	s	RES, CHIP NETWORK 22
RB212	1-233-448-11	s	RES, CHIP NETWORK 22
RB213	1-233-448-11	s	RES, CHIP NETWORK 22
RB214	1-233-448-11	s	RES, CHIP NETWORK 22
RB215	1-233-448-11	s	RES, CHIP NETWORK 22
RB216	1-233-448-11	s	RES, CHIP NETWORK 22
RB217	1-233-448-11	s	RES, CHIP NETWORK 22
RB218	1-233-448-11	s	RES, CHIP NETWORK 22
RB219	1-233-448-11	s	RES, CHIP NETWORK 22
RB220	1-233-448-11	s	RES, CHIP NETWORK 22
RB221	1-233-448-11	s	RES, CHIP NETWORK 22
RB222	1-233-448-11	s	RES, CHIP NETWORK 22
RB223	1-233-448-11	s	RES, CHIP NETWORK 22
RB224	1-233-448-11	s	RES, CHIP NETWORK 22
RB225	1-233-448-11	s	RES, CHIP NETWORK 22
RB226	1-233-448-11	s	RES, CHIP NETWORK 22
RB227	1-233-448-11	s	RES, CHIP NETWORK 22
RB228	1-233-448-11	s	RES, CHIP NETWORK 22
RB229	1-233-448-11	s	RES, CHIP NETWORK 22
RB230	1-233-448-11	s	RES, CHIP NETWORK 22
RB231	1-233-448-11	s	RES, CHIP NETWORK 22
RB232	1-233-448-11	s	RES, CHIP NETWORK 22
RB233	1-233-448-11	s	RES, CHIP NETWORK 22
RB234	1-233-448-11	s	RES, CHIP NETWORK 22
RB235	1-233-448-11	s	RES, CHIP NETWORK 22
RB236	1-233-448-11	s	RES, CHIP NETWORK 22
RB237	1-233-448-11	s	RES, CHIP NETWORK 22
RB238	1-233-448-11	s	RES, CHIP NETWORK 22
RB239	1-233-448-11	s	RES, CHIP NETWORK 22
RB240	1-233-448-11	s	RES, CHIP NETWORK 22
RB241	1-233-448-11	s	RES, CHIP NETWORK 22
RB242	1-233-448-11	s	RES, CHIP NETWORK 22
RB243	1-233-448-11	s	RES, CHIP NETWORK 22
RB244	1-233-448-11	s	RES, CHIP NETWORK 22
RB245	1-233-448-11	s	RES, CHIP NETWORK 22
RB246	1-233-448-11	s	RES, CHIP NETWORK 22
RB247	1-233-448-11	s	RES, CHIP NETWORK 22
RB248	1-233-448-11	s	RES, CHIP NETWORK 22
RB249	1-233-448-11	s	RES, CHIP NETWORK 22
RB250	1-233-448-11	s	RES, CHIP NETWORK 22
RB251	1-233-448-11	s	RES, CHIP NETWORK 22
RB252	1-233-448-11	s	RES, CHIP NETWORK 22
RB253	1-233-448-11	s	RES, CHIP NETWORK 22
RB254	1-233-448-11	s	RES, CHIP NETWORK 22
RB255	1-233-448-11	s	RES, CHIP NETWORK 22
RB256	1-233-448-11	s	RES, CHIP NETWORK 22
RB257	1-233-448-11	s	RES, CHIP NETWORK 22
RB258	1-233-448-11	s	RES, CHIP NETWORK 22
RB259	1-233-448-11	s	RES, CHIP NETWORK 22
RB260	1-233-448-11	s	RES, CHIP NETWORK 22
RB261	1-233-448-11	s	RES, CHIP NETWORK 22
RB262	1-233-448-11	s	RES, CHIP NETWORK 22
RB263	1-233-448-11	s	RES, CHIP NETWORK 22
RB264	1-233-448-11	s	RES, CHIP NETWORK 22
RB265	1-233-448-11	s	RES, CHIP NETWORK 22
RB266	1-233-448-11	s	RES, CHIP NETWORK 22
RB267	1-233-448-11	s	RES, CHIP NETWORK 22
RB268	1-233-448-11	s	RES, CHIP NETWORK 22
RB269	1-233-448-11	s	RES, CHIP NETWORK 22

(DI-21 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB270	1-233-448-11	s	RES, CHIP NETWORK 22
RB271	1-233-448-11	s	RES, CHIP NETWORK 22
RB272	1-233-448-11	s	RES, CHIP NETWORK 22
RB273	1-233-448-11	s	RES, CHIP NETWORK 22
RB274	1-233-448-11	s	RES, CHIP NETWORK 22
RB275	1-233-448-11	s	RES, CHIP NETWORK 22
RB276	1-233-448-11	s	RES, CHIP NETWORK 22
RB277	1-233-448-11	s	RES, CHIP NETWORK 22
RB278	1-233-448-11	s	RES, CHIP NETWORK 22
RB279	1-233-448-11	s	RES, CHIP NETWORK 22
RB280	1-233-448-11	s	RES, CHIP NETWORK 22
RB281	1-233-448-11	s	RES, CHIP NETWORK 22
RB282	1-233-448-11	s	RES, CHIP NETWORK 22
RB283	1-233-448-11	s	RES, CHIP NETWORK 22
RB284	1-233-448-11	s	RES, CHIP NETWORK 22
RB285	1-233-448-11	s	RES, CHIP NETWORK 22
RB286	1-233-448-11	s	RES, CHIP NETWORK 22
RB287	1-233-448-11	s	RES, CHIP NETWORK 22
RB288	1-233-448-11	s	RES, CHIP NETWORK 22
RB289	1-233-448-11	s	RES, CHIP NETWORK 22
RB290	1-233-448-11	s	RES, CHIP NETWORK 22
RB291	1-233-448-11	s	RES, CHIP NETWORK 22
RB292	1-233-448-11	s	RES, CHIP NETWORK 22
RB293	1-233-448-11	s	RES, CHIP NETWORK 22
RB294	1-233-448-11	s	RES, CHIP NETWORK 22
RB295	1-233-448-11	s	RES, CHIP NETWORK 22
RB296	1-233-448-11	s	RES, CHIP NETWORK 22
RB297	1-233-448-11	s	RES, CHIP NETWORK 22
RB298	1-233-448-11	s	RES, CHIP NETWORK 22
RB299	1-233-448-11	s	RES, CHIP NETWORK 22
RB300	1-233-448-11	s	RES, CHIP NETWORK 22
RB301	1-233-448-11	s	RES, CHIP NETWORK 22
RB302	1-233-448-11	s	RES, CHIP NETWORK 22
RB303	1-233-448-11	s	RES, CHIP NETWORK 22
RB304	1-233-448-11	s	RES, CHIP NETWORK 22
RB305	1-233-448-11	s	RES, CHIP NETWORK 22
RB306	1-233-448-11	s	RES, CHIP NETWORK 22
RB307	1-233-448-11	s	RES, CHIP NETWORK 22
RB308	1-233-448-11	s	RES, CHIP NETWORK 22
RB309	1-233-448-11	s	RES, CHIP NETWORK 22
RB310	1-233-448-11	s	RES, CHIP NETWORK 22
RB311	1-233-448-11	s	RES, CHIP NETWORK 22
RB312	1-233-448-11	s	RES, CHIP NETWORK 22
RB313	1-233-448-11	s	RES, CHIP NETWORK 22
RB314	1-233-448-11	s	RES, CHIP NETWORK 22
RB315	1-233-448-11	s	RES, CHIP NETWORK 22
RB316	1-233-448-11	s	RES, CHIP NETWORK 22
RB317	1-233-448-11	s	RES, CHIP NETWORK 22
RB318	1-233-448-11	s	RES, CHIP NETWORK 22
RB319	1-233-448-11	s	RES, CHIP NETWORK 22
RB320	1-233-448-11	s	RES, CHIP NETWORK 22
RB321	1-233-448-11	s	RES, CHIP NETWORK 22
RB322	1-233-448-11	s	RES, CHIP NETWORK 22
RB323	1-233-448-11	s	RES, CHIP NETWORK 22
RB324	1-233-448-11	s	RES, CHIP NETWORK 22
RB325	1-233-448-11	s	RES, CHIP NETWORK 22
RB326	1-233-448-11	s	RES, CHIP NETWORK 22
RB327	1-233-448-11	s	RES, CHIP NETWORK 22
RB328	1-233-448-11	s	RES, CHIP NETWORK 22

(DI-21 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB329	1-233-448-11	s	RES, CHIP NETWORK 22
RB330	1-233-448-11	s	RES, CHIP NETWORK 22
RB331	1-233-448-11	s	RES, CHIP NETWORK 22
RB332	1-233-448-11	s	RES, CHIP NETWORK 22
RB333	1-233-448-11	s	RES, CHIP NETWORK 22
RB334	1-233-448-11	s	RES, CHIP NETWORK 22
RB335	1-233-448-11	s	RES, CHIP NETWORK 22
RB336	1-233-448-11	s	RES, CHIP NETWORK 22
RB337	1-233-448-11	s	RES, CHIP NETWORK 22
RB338	1-233-448-11	s	RES, CHIP NETWORK 22
RB339	1-233-448-11	s	RES, CHIP NETWORK 22
RB340	1-233-448-11	s	RES, CHIP NETWORK 22
RB341	1-233-448-11	s	RES, CHIP NETWORK 22
RB342	1-233-448-11	s	RES, CHIP NETWORK 22
RB343	1-233-448-11	s	RES, CHIP NETWORK 22
RB344	1-233-448-11	s	RES, CHIP NETWORK 22
RB345	1-233-448-11	s	RES, CHIP NETWORK 22
RB346	1-233-448-11	s	RES, CHIP NETWORK 22
RB347	1-233-448-11	s	RES, CHIP NETWORK 22
RB348	1-233-448-11	s	RES, CHIP NETWORK 22
RB349	1-233-448-11	s	RES, CHIP NETWORK 22
RB350	1-233-448-11	s	RES, CHIP NETWORK 22
RB351	1-233-448-11	s	RES, CHIP NETWORK 22
RB352	1-233-448-11	s	RES, CHIP NETWORK 22
RB353	1-233-448-11	s	RES, CHIP NETWORK 22
RB354	1-233-448-11	s	RES, CHIP NETWORK 22
RB355	1-233-448-11	s	RES, CHIP NETWORK 22
RB356	1-233-448-11	s	RES, CHIP NETWORK 22
RB357	1-233-448-11	s	RES, CHIP NETWORK 22
RB358	1-233-448-11	s	RES, CHIP NETWORK 22
RB359	1-233-448-11	s	RES, CHIP NETWORK 22
RB360	1-233-448-11	s	RES, CHIP NETWORK 22
RB361	1-233-448-11	s	RES, CHIP NETWORK 22
RB362	1-233-448-11	s	RES, CHIP NETWORK 22
RB363	1-233-448-11	s	RES, CHIP NETWORK 22
RB364	1-233-448-11	s	RES, CHIP NETWORK 22
RB365	1-233-448-11	s	RES, CHIP NETWORK 22
RB366	1-233-448-11	s	RES, CHIP NETWORK 22
RB367	1-233-448-11	s	RES, CHIP NETWORK 22
RB368	1-233-448-11	s	RES, CHIP NETWORK 22
RB369	1-233-448-11	s	RES, CHIP NETWORK 22
RB370	1-233-448-11	s	RES, CHIP NETWORK 22
RB371	1-233-448-11	s	RES, CHIP NETWORK 22
RB372	1-233-448-11	s	RES, CHIP NETWORK 22
RB373	1-233-448-11	s	RES, CHIP NETWORK 22
RB374	1-233-448-11	s	RES, CHIP NETWORK 22
RB375	1-233-448-11	s	RES, CHIP NETWORK 22
RB376	1-233-448-11	s	RES, CHIP NETWORK 22
RB377	1-233-448-11	s	RES, CHIP NETWORK 22
RB378	1-233-448-11	s	RES, CHIP NETWORK 22
RB379	1-233-448-11	s	RES, CHIP NETWORK 22
RB400	1-233-448-11	s	RES, CHIP NETWORK 22
RB401	1-233-448-11	s	RES, CHIP NETWORK 22
RB402	1-233-448-11	s	RES, CHIP NETWORK 22
RB403	1-233-448-11	s	RES, CHIP NETWORK 22
RB404	1-233-448-11	s	RES, CHIP NETWORK 22
RB405	1-233-448-11	s	RES, CHIP NETWORK 22
RB406	1-233-448-11	s	RES, CHIP NETWORK 22
RB407	1-233-448-11	s	RES, CHIP NETWORK 22

(DI-21 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB408	1-233-448-11	s	RES, CHIP NETWORK 22
RB409	1-233-448-11	s	RES, CHIP NETWORK 22
RB410	1-233-448-11	s	RES, CHIP NETWORK 22
RB411	1-233-448-11	s	RES, CHIP NETWORK 22
RB412	1-233-448-11	s	RES, CHIP NETWORK 22
RB413	1-233-448-11	s	RES, CHIP NETWORK 22
RB414	1-233-448-11	s	RES, CHIP NETWORK 22
RB415	1-233-448-11	s	RES, CHIP NETWORK 22
RB416	1-233-448-11	s	RES, CHIP NETWORK 22
RB417	1-233-448-11	s	RES, CHIP NETWORK 22
RB418	1-233-448-11	s	RES, CHIP NETWORK 22
RB419	1-233-448-11	s	RES, CHIP NETWORK 22
RB420	1-233-448-11	s	RES, CHIP NETWORK 22
RB421	1-233-448-11	s	RES, CHIP NETWORK 22
RB422	1-233-448-11	s	RES, CHIP NETWORK 22
RB423	1-233-448-11	s	RES, CHIP NETWORK 22

IF-656 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-514-A	o	MOUNTED CIRCUIT BOARD, IF-656
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C4	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C5	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C6	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C9	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C16	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C17	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C18	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C19	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C20	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C25	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C26	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C27	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C30	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C36	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C37	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C38	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C41	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C48	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C51	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C52	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C53	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C58	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C59	1-163-222-11	s	CERAMIC, CHIP 5pF 50V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C63	1-163-235-11	s	CERAMIC, CHIP 22pF 5% 50V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
IC1	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC2	8-759-523-42	s	IC TC74ACT139FT(EL)
IC3	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC4	8-759-523-36	s	IC TC74ACT04FT(EL)
IC5	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC6	8-759-523-42	s	IC TC74ACT139FT(EL)
IC7	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC8	8-759-523-42	s	IC TC74ACT139FT(EL)
IC9	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC10	8-759-523-36	s	IC TC74ACT04FT(EL)
IC11	8-759-555-91	s	IC HD647180FS-SIO-V1.1
IC12	8-759-926-30	s	IC AM26LS30PC
IC13	8-759-469-77	s	IC CY7C136-55NC
IC14	8-759-904-77	s	IC AM26LS32ACN
IC15	8-759-469-77	s	IC CY7C136-55NC
IC16	8-759-926-30	s	IC AM26LS30PC
IC17	8-759-926-30	s	IC AM26LS30PC
IC18	8-759-469-77	s	IC CY7C136-55NC
IC19	8-759-904-77	s	IC AM26LS32ACN
IC20	8-759-926-30	s	IC AM26LS30PC
IC21	8-759-469-77	s	IC CY7C136-55NC
IC22	8-759-904-77	s	IC AM26LS32ACN
IC23	8-759-469-77	s	IC CY7C136-55NC
IC24	8-759-926-30	s	IC AM26LS30PC
IC25	8-759-926-30	s	IC AM26LS30PC
IC26	8-759-469-77	s	IC CY7C136-55NC
R1	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R2	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R3	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R4	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R5	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W

(IF-656 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R6	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R7	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R8	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R9	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R10	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R11	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R12	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R13	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R14	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R15	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R16	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R17	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R18	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R19	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R20	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R21	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R22	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R23	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R24	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R25	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R26	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R27	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R28	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R29	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R30	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R31	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R32	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R33	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R34	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R35	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R36	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R37	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R38	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R39	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
X1	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz
X2	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz
X3	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz
X4	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz
X5	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz
X6	1-567-812-11	s	RESONATOR, CERAMIC 12.288MHz

KPC-3 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-489-A	o	MOUNTED CIRCUIT BOARD, KPC-3
10pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
6pcs	7-685-104-21	s	SCREW +P 2x6 TYPE2 SLIT
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C3	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C11	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C12	1-117-372-11	s	TANTALUM 100uF 20% 10V
C13	1-117-372-11	s	TANTALUM 100uF 20% 10V
C14	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-163-038-91	s	CERAMIC 0.1uF 25V
C26	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C38	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V

(KPC-3 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C67	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C68	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C71	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C72	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-038-91	s	CERAMIC 0.1uF 25V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-038-91	s	CERAMIC 0.1uF 25V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C106	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-038-91	s	CERAMIC 0.1uF 25V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C130	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C131	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C132	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C133	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C137	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C138	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C159	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C191	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-038-91	s	CERAMIC 0.1uF 25V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-038-91	s	CERAMIC 0.1uF 25V
C227	1-163-038-91	s	CERAMIC 0.1uF 25V
C228	1-163-038-91	s	CERAMIC 0.1uF 25V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V
C230	1-163-038-91	s	CERAMIC 0.1uF 25V
C231	1-163-021-91	s	CERAMIC 0.01uF 10% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-163-038-91	s	CERAMIC 0.1uF 25V
C243	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-038-91	s	CERAMIC 0.1uF 25V
C255	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-038-91	s	CERAMIC 0.1uF 25V
C258	1-163-038-91	s	CERAMIC 0.1uF 25V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-038-91	s	CERAMIC 0.1uF 25V
C263	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C264	1-163-038-91	s	CERAMIC 0.1uF 25V
C265	1-163-038-91	s	CERAMIC 0.1uF 25V
C266	1-163-038-91	s	CERAMIC 0.1uF 25V
C267	1-163-038-91	s	CERAMIC 0.1uF 25V
C268	1-163-038-91	s	CERAMIC 0.1uF 25V
C269	1-163-038-91	s	CERAMIC 0.1uF 25V
C270	1-163-038-91	s	CERAMIC 0.1uF 25V
C271	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C272	1-163-038-91	s	CERAMIC 0.1uF 25V
C273	1-163-038-91	s	CERAMIC 0.1uF 25V
C274	1-163-038-91	s	CERAMIC 0.1uF 25V
C275	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-038-91	s	CERAMIC 0.1uF 25V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C279	1-163-038-91	s	CERAMIC 0.1uF 25V
C280	1-163-038-91	s	CERAMIC 0.1uF 25V
C281	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C282	1-117-372-11	s	TANTALUM 100uF 20% 10V
C283	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C291	1-163-038-91	s	CERAMIC 0.1uF 25V
C292	1-163-038-91	s	CERAMIC 0.1uF 25V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-038-91	s	CERAMIC 0.1uF 25V
C296	1-163-038-91	s	CERAMIC 0.1uF 25V
C297	1-163-038-91	s	CERAMIC 0.1uF 25V
C298	1-163-038-91	s	CERAMIC 0.1uF 25V
C299	1-163-038-91	s	CERAMIC 0.1uF 25V
C300	1-163-038-91	s	CERAMIC 0.1uF 25V
C301	1-163-038-91	s	CERAMIC 0.1uF 25V
C302	1-163-038-91	s	CERAMIC 0.1uF 25V
C303	1-163-038-91	s	CERAMIC 0.1uF 25V
C304	1-163-038-91	s	CERAMIC 0.1uF 25V
C305	1-163-038-91	s	CERAMIC 0.1uF 25V
C306	1-163-038-91	s	CERAMIC 0.1uF 25V
C307	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C308	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C309	1-163-038-91	s	CERAMIC 0.1uF 25V
C310	1-163-038-91	s	CERAMIC 0.1uF 25V
C311	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C312	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C313	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C314	1-163-038-91	s	CERAMIC 0.1uF 25V
C315	1-163-038-91	s	CERAMIC 0.1uF 25V
C316	1-163-038-91	s	CERAMIC 0.1uF 25V
C317	1-163-038-91	s	CERAMIC 0.1uF 25V
C318	1-163-038-91	s	CERAMIC 0.1uF 25V
C319	1-163-038-91	s	CERAMIC 0.1uF 25V
C320	1-163-038-91	s	CERAMIC 0.1uF 25V
C321	1-163-038-91	s	CERAMIC 0.1uF 25V
C322	1-163-038-91	s	CERAMIC 0.1uF 25V
C323	1-163-038-91	s	CERAMIC 0.1uF 25V
C324	1-163-038-91	s	CERAMIC 0.1uF 25V
C325	1-163-038-91	s	CERAMIC 0.1uF 25V
C326	1-117-372-11	s	TANTALUM 100uF 20% 10V
C327	1-163-038-91	s	CERAMIC 0.1uF 25V
C328	1-163-038-91	s	CERAMIC 0.1uF 25V
C329	1-163-038-91	s	CERAMIC 0.1uF 25V
C330	1-163-038-91	s	CERAMIC 0.1uF 25V
C331	1-163-038-91	s	CERAMIC 0.1uF 25V
C332	1-163-038-91	s	CERAMIC 0.1uF 25V
C333	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C334	1-117-372-11	s	TANTALUM 100uF 20% 10V
C335	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C336	1-163-038-91	s	CERAMIC 0.1uF 25V
C337	1-163-038-91	s	CERAMIC 0.1uF 25V
C338	1-117-372-11	s	TANTALUM 100uF 20% 10V
C339	1-163-038-91	s	CERAMIC 0.1uF 25V
C340	1-163-038-91	s	CERAMIC 0.1uF 25V
C341	1-163-038-91	s	CERAMIC 0.1uF 25V
C342	1-163-038-91	s	CERAMIC 0.1uF 25V
C343	1-163-038-91	s	CERAMIC 0.1uF 25V
C351	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C356	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C370	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C376	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C377	1-163-038-91	s	CERAMIC 0.1uF 25V
C378	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C384	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C389	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C390	1-163-038-91	s	CERAMIC 0.1uF 25V
C391	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C392	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C393	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C399	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C408	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C413	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C419	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C420	1-163-038-91	s	CERAMIC 0.1uF 25V
C421	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C425	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C441	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C442	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C450	1-163-038-91	s	CERAMIC 0.1uF 25V
C451	1-163-038-91	s	CERAMIC 0.1uF 25V
C452	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C474	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C475	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C492	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C507	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C533	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C534	1-163-038-91	s	CERAMIC 0.1uF 25V
C535	1-163-038-91	s	CERAMIC 0.1uF 25V
C536	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C572	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C573	1-117-372-11	s	TANTALUM 100uF 20% 10V
C591	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C595	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C596	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C597	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C609	1-117-372-11	s	TANTALUM 100uF 20% 10V
C610	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C614	1-117-372-11	s	TANTALUM 100uF 20% 10V
C615	1-163-038-91	s	CERAMIC 0.1uF 25V
C616	1-117-372-11	s	TANTALUM 100uF 20% 10V
C617	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C628	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C629	1-163-038-91	s	CERAMIC 0.1uF 25V
CN1	1-764-645-11	s	CONNECTOR, BB 100P, MALE
CN2	1-764-645-11	s	CONNECTOR, BB 100P, MALE
CN3	1-764-645-11	s	CONNECTOR, BB 100P, MALE
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-271-78	s	IC DS26C32ATM
IC2	8-759-505-06	s	IC CXD8058Q
IC3	8-759-464-48	s	IC CXD8900J
IC4	8-759-464-48	s	IC CXD8900J
IC5	8-759-464-48	s	IC CXD8900J
IC6	8-759-464-48	s	IC CXD8900J
IC7	8-759-464-46	s	IC CXD8899J
IC8	8-759-464-48	s	IC CXD8900J
IC9	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC10	8-759-464-48	s	IC CXD8900J
IC11	8-759-464-48	s	IC CXD8900J
IC12	8-759-464-48	s	IC CXD8900J
IC13	8-759-464-48	s	IC CXD8900J
IC14	8-759-464-48	s	IC CXD8900J
IC15	8-759-271-82	s	IC DS3695ATM
IC16	8-759-456-26	s	IC 74LCX541MTCX
IC17	8-759-469-98	s	IC CAT93C66K-LE10
IC18	8-759-505-00	s	IC CXD8052Q
IC19	8-759-464-46	s	IC CXD8899J
IC20	8-759-464-46	s	IC CXD8899J
IC21	8-759-464-46	s	IC CXD8899J
IC22	8-759-464-46	s	IC CXD8899J
IC23	8-759-466-65	s	IC CXD8901Q
IC24	8-759-464-48	s	IC CXD8900J
IC25	8-759-464-46	s	IC CXD8899J
IC26	8-759-464-46	s	IC CXD8899J
IC27	8-759-466-63	s	IC CXD8895Q
IC28	8-759-466-63	s	IC CXD8895Q
IC29	8-759-466-63	s	IC CXD8895Q
IC30	8-759-464-46	s	IC CXD8899J
IC31	8-759-464-46	s	IC CXD8899J
IC32	8-759-523-49	s	IC TC74ACT541FT(EL)
IC33	8-759-523-49	s	IC TC74ACT541FT(EL)
IC34	8-759-456-26	s	IC 74LCX541MTCX
IC35	8-759-523-49	s	IC TC74ACT541FT(EL)
IC36	8-759-456-26	s	IC 74LCX541MTCX
IC37	8-759-389-48	s	IC 74LCX16374MTDX
IC38	8-759-389-48	s	IC 74LCX16374MTDX
IC39	8-759-389-48	s	IC 74LCX16374MTDX
IC40	8-759-389-48	s	IC 74LCX16374MTDX
IC41	8-759-389-48	s	IC 74LCX16374MTDX
IC42	8-759-456-26	s	IC 74LCX541MTCX
IC43	8-759-464-46	s	IC CXD8899J
IC44	8-759-464-46	s	IC CXD8899J
IC45	8-759-464-46	s	IC CXD8899J
IC46	8-759-464-46	s	IC CXD8899J
IC47	8-759-466-65	s	IC CXD8901Q
IC48	8-759-466-65	s	IC CXD8901Q
IC49	8-759-466-65	s	IC CXD8901Q
IC50	8-759-505-00	s	IC CXD8052Q
IC51	8-759-464-46	s	IC CXD8899J
IC52	8-759-464-46	s	IC CXD8899J
IC53	8-759-523-49	s	IC TC74ACT541FT(EL)
IC54	8-759-389-48	s	IC 74LCX16374MTDX
IC55	8-759-464-48	s	IC CXD8900J
IC56	8-759-389-48	s	IC 74LCX16374MTDX
IC57	8-759-389-48	s	IC 74LCX16374MTDX
IC58	8-759-466-63	s	IC CXD8895Q
IC59	8-759-523-49	s	IC TC74ACT541FT(EL)
IC60	8-759-456-26	s	IC 74LCX541MTCX
IC61	8-759-523-49	s	IC TC74ACT541FT(EL)
IC62	8-759-465-49	s	IC MC10ELT21DR2
IC63	8-759-389-48	s	IC 74LCX16374MTDX
IC64	8-759-466-21	s	IC S4405B-80
IC65	8-759-468-08	s	IC 74LVX3L384QSCX
IC66	8-759-466-59	s	IC CGS2535TVX
IC67	8-759-466-59	s	IC CGS2535TVX
IC68	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC69	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC70	8-759-464-48	s	IC CXD8900J
IC71	8-759-464-46	s	IC CXD8899J
IC72	8-759-523-49	s	IC TC74ACT541FT(EL)
IC73	8-759-523-49	s	IC TC74ACT541FT(EL)
IC74	8-759-523-49	s	IC TC74ACT541FT(EL)
IC75	8-759-386-27	s	IC 74LCX04MTCX
IC76	8-759-389-48	s	IC 74LCX16374MTDX
IC77	8-759-389-48	s	IC 74LCX16374MTDX
IC78	8-759-464-46	s	IC CXD8899J
IC79	8-759-464-46	s	IC CXD8899J
IC80	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC81	8-759-523-49	s	IC TC74ACT541FT(EL)
IC82	8-759-523-49	s	IC TC74ACT541FT(EL)
IC83	8-759-466-59	s	IC CGS2535TVX
IC84	8-759-466-59	s	IC CGS2535TVX
IC85	8-759-466-59	s	IC CGS2535TVX
IC86	8-759-468-08	s	IC 74LVX3L384QSCX
IC87	8-759-439-44	s	IC CXD9024Q
IC88	8-759-466-63	s	IC CXD8895Q
IC89	8-759-389-48	s	IC 74LCX16374MTDX
IC90	8-759-464-48	s	IC CXD8900J
IC91	8-759-466-64	s	IC CXD8898Q
IC92	8-759-464-47	s	IC CXD8893J
IC93	8-759-464-47	s	IC CXD8893J
IC94	8-759-464-47	s	IC CXD8893J
IC95	8-759-464-47	s	IC CXD8893J
IC96	8-759-464-46	s	IC CXD8899J
IC97	8-759-464-46	s	IC CXD8899J
IC98	8-759-389-48	s	IC 74LCX16374MTDX
IC99	8-759-389-48	s	IC 74LCX16374MTDX
IC100	8-759-464-48	s	IC CXD8900J
IC101	8-759-386-27	s	IC 74LCX04MTCX
IC102	8-759-464-48	s	IC CXD8900J
IC103	8-759-466-64	s	IC CXD8898Q
IC104	8-759-464-46	s	IC CXD8899J
IC105	8-759-523-49	s	IC TC74ACT541FT(EL)
IC106	8-759-523-49	s	IC TC74ACT541FT(EL)
IC107	8-759-464-48	s	IC CXD8900J
IC108	8-759-466-63	s	IC CXD8895Q
IC109	8-759-466-63	s	IC CXD8895Q
IC110	8-759-464-48	s	IC CXD8900J
IC111	8-759-464-48	s	IC CXD8900J
IC112	8-759-464-48	s	IC CXD8900J
IC113	8-759-464-48	s	IC CXD8900J
IC114	8-759-464-48	s	IC CXD8900J
IC115	8-759-505-00	s	IC CXD8052Q
IC116	8-759-464-46	s	IC CXD8899J
IC117	8-759-464-46	s	IC CXD8899J
IC118	8-759-464-46	s	IC CXD8899J
IC119	8-759-464-46	s	IC CXD8899J
IC120	8-759-466-65	s	IC CXD8901Q
IC121	8-759-464-48	s	IC CXD8900J
IC122	8-759-464-46	s	IC CXD8899J
IC123	8-759-464-46	s	IC CXD8899J
IC124	8-759-466-63	s	IC CXD8895Q
IC125	8-759-466-63	s	IC CXD8895Q
IC126	8-759-466-63	s	IC CXD8895Q
IC127	8-759-464-46	s	IC CXD8899J

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Ref. No. or Q'ty	Part No.	SP	Description
IC128	8-759-464-46	s	IC CXD8899J
IC129	8-759-456-26	s	IC 74LCX541MTCX
IC130	8-759-523-49	s	IC TC74ACT541FT(EL)
IC131	8-759-456-26	s	IC 74LCX541MTCX
IC132	8-759-389-48	s	IC 74LCX16374MTDX
IC133	8-759-389-48	s	IC 74LCX16374MTDX
IC134	8-759-389-48	s	IC 74LCX16374MTDX
IC135	8-759-389-48	s	IC 74LCX16374MTDX
IC136	8-759-389-48	s	IC 74LCX16374MTDX
IC137	8-759-456-26	s	IC 74LCX541MTCX
IC138	8-759-523-49	s	IC TC74ACT541FT(EL)
IC139	8-759-464-46	s	IC CXD8899J
IC140	8-759-464-46	s	IC CXD8899J
IC141	8-759-464-46	s	IC CXD8899J
IC142	8-759-464-46	s	IC CXD8899J
IC143	8-759-466-65	s	IC CXD8901Q
IC144	8-759-466-65	s	IC CXD8901Q
IC145	8-759-466-65	s	IC CXD8901Q
IC146	8-759-464-46	s	IC CXD8899J
IC147	8-759-464-46	s	IC CXD8899J
IC148	8-759-456-26	s	IC 74LCX541MTCX
IC149	8-759-523-49	s	IC TC74ACT541FT(EL)
IC150	8-759-389-48	s	IC 74LCX16374MTDX
IC151	8-759-466-63	s	IC CXD8895Q
IC152	8-759-389-48	s	IC 74LCX16374MTDX
IC153	8-759-464-48	s	IC CXD8900J
IC154	8-759-389-48	s	IC 74LCX16374MTDX
IC155	8-759-456-26	s	IC 74LCX541MTCX
IC156	8-759-456-26	s	IC 74LCX541MTCX
IC157	8-759-523-49	s	IC TC74ACT541FT(EL)
IC158	8-759-389-48	s	IC 74LCX16374MTDX
IC159	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC160	8-759-464-46	s	IC CXD8899J
IC161	8-759-464-48	s	IC CXD8900J
IC162	8-759-464-48	s	IC CXD8900J
IC163	8-759-456-26	s	IC 74LCX541MTCX
IC164	8-759-456-26	s	IC 74LCX541MTCX
IC165	8-759-456-26	s	IC 74LCX541MTCX
IC166	8-759-386-27	s	IC 74LCX04MTCX
IC167	8-759-464-46	s	IC CXD8899J
IC168	8-759-464-46	s	IC CXD8899J
IC169	8-759-456-26	s	IC 74LCX541MTCX
IC170	8-759-456-26	s	IC 74LCX541MTCX
IC171	8-759-466-59	s	IC CGS2535TVX
IC172	8-759-466-59	s	IC CGS2535TVX
IC173	8-759-439-44	s	IC CXD9024Q
IC174	8-759-389-48	s	IC 74LCX16374MTDX
IC175	8-759-464-48	s	IC CXD8900J
IC176	8-759-466-64	s	IC CXD8898Q
IC177	8-759-464-46	s	IC CXD8899J
IC178	8-759-464-46	s	IC CXD8899J
IC179	8-759-464-47	s	IC CXD8893J
IC180	8-759-464-47	s	IC CXD8893J
IC181	8-759-464-47	s	IC CXD8893J
IC182	8-759-464-47	s	IC CXD8893J
IC183	8-759-464-48	s	IC CXD8900J
IC184	8-759-464-48	s	IC CXD8900J
R1	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R4	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R5	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R6	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R7	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R8	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R9	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R10	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R11	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R12	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R13	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R14	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R15	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R16	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R17	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R23	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R24	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R25	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R27	1-216-295-91	s	RES, CHIP 0
R28	1-216-295-91	s	RES, CHIP 0
R29	1-216-295-91	s	RES, CHIP 0
R30	1-216-295-91	s	RES, CHIP 0
R31	1-216-295-91	s	RES, CHIP 0
R33	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R34	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R36	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R37	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R39	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R40	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R41	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R42	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R43	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R51	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R52	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R54	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R56	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R58	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R59	1-216-295-91	s	RES, CHIP 0
R60	1-216-295-91	s	RES, CHIP 0
R61	1-216-295-91	s	RES, CHIP 0
R62	1-216-295-91	s	RES, CHIP 0
R63	1-216-295-91	s	RES, CHIP 0
R64	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R65	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R66	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R67	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R68	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R69	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R75	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R80	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R82	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R84	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R87	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R88	1-216-295-91	s	RES, CHIP 0
R89	1-216-295-91	s	RES, CHIP 0
R90	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R91	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R92	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R93	1-216-295-91	s	RES, CHIP 0
R94	1-216-295-91	s	RES, CHIP 0

(KPC-3 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R96	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R97	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R98	1-216-295-91	s	RES, CHIP 0
R99	1-216-295-91	s	RES, CHIP 0
R100	1-216-295-91	s	RES, CHIP 0
R102	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R103	1-216-295-91	s	RES, CHIP 0
R104	1-216-295-91	s	RES, CHIP 0
R106	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R107	1-216-295-91	s	RES, CHIP 0
R108	1-216-295-91	s	RES, CHIP 0
R109	1-216-295-91	s	RES, CHIP 0
R110	1-216-295-91	s	RES, CHIP 0
R111	1-216-295-91	s	RES, CHIP 0
R112	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R113	1-216-295-91	s	RES, CHIP 0
R114	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R115	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R116	1-216-295-91	s	RES, CHIP 0
R118	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R119	1-216-295-91	s	RES, CHIP 0
R121	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R122	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R123	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R124	1-216-295-91	s	RES, CHIP 0
R125	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R126	1-216-295-91	s	RES, CHIP 0
R127	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R129	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R130	1-216-295-91	s	RES, CHIP 0
R131	1-216-295-91	s	RES, CHIP 0
R132	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R134	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R136	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R137	1-216-295-91	s	RES, CHIP 0
R138	1-216-295-91	s	RES, CHIP 0
R139	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R141	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R143	1-216-295-91	s	RES, CHIP 0
R144	1-216-295-91	s	RES, CHIP 0
R145	1-216-295-91	s	RES, CHIP 0
R146	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R147	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R148	1-216-295-91	s	RES, CHIP 0
R149	1-216-295-91	s	RES, CHIP 0
R150	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R151	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R152	1-216-612-11	s	METAL, CHIP 24 0.50% 1/10W
R153	1-216-295-91	s	RES, CHIP 0
R154	1-216-295-91	s	RES, CHIP 0
R155	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R158	1-216-295-91	s	RES, CHIP 0
R159	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R160	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R161	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R162	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R165	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R168	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R169	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

(KPC-3 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R172	1-216-295-91	s	RES, CHIP 0
R173	1-216-295-91	s	RES, CHIP 0
R174	1-216-295-91	s	RES, CHIP 0
R176	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R177	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R179	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R180	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R181	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R182	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R183	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R184	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R185	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R186	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R187	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R188	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R189	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R195	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R197	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R198	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R199	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R201	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R202	1-216-295-91	s	RES, CHIP 0
R203	1-216-295-91	s	RES, CHIP 0
R204	1-216-295-91	s	RES, CHIP 0
R205	1-216-295-91	s	RES, CHIP 0
R206	1-216-295-91	s	RES, CHIP 0
R208	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R209	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R212	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R213	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R214	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R218	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R219	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R222	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R223	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R224	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R226	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R229	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R232	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R233	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R235	1-216-295-91	s	RES, CHIP 0
R237	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R239	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R240	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R241	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R243	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R246	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R248	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R250	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
RB1	1-234-078-11	s	RES, CHIP NETWORK 47
RB2	1-234-078-11	s	RES, CHIP NETWORK 47
RB3	1-234-078-11	s	RES, CHIP NETWORK 47
RB4	1-234-078-11	s	RES, CHIP NETWORK 47
RB5	1-234-078-11	s	RES, CHIP NETWORK 47
RB6	1-234-078-11	s	RES, CHIP NETWORK 47
RB7	1-234-078-11	s	RES, CHIP NETWORK 47
RB8	1-234-078-11	s	RES, CHIP NETWORK 47
RB9	1-234-078-11	s	RES, CHIP NETWORK 47
RB10	1-234-078-11	s	RES, CHIP NETWORK 47

(KPC-3 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB11	1-234-078-11	s	RES, CHIP NETWORK 47
RB12	1-234-078-11	s	RES, CHIP NETWORK 47
RB13	1-234-078-11	s	RES, CHIP NETWORK 47
RB14	1-234-078-11	s	RES, CHIP NETWORK 47
RB15	1-234-078-11	s	RES, CHIP NETWORK 47
RB16	1-234-078-11	s	RES, CHIP NETWORK 47
RB17	1-234-078-11	s	RES, CHIP NETWORK 47
RB18	1-234-078-11	s	RES, CHIP NETWORK 47
RB19	1-234-078-11	s	RES, CHIP NETWORK 47
RB20	1-233-448-11	s	RES, CHIP NETWORK 22
RB23	1-233-448-11	s	RES, CHIP NETWORK 22
RB24	1-233-448-11	s	RES, CHIP NETWORK 22
RB25	1-233-448-11	s	RES, CHIP NETWORK 22
RB26	1-233-448-11	s	RES, CHIP NETWORK 22
RB27	1-233-448-11	s	RES, CHIP NETWORK 22
RB28	1-233-448-11	s	RES, CHIP NETWORK 22
RB29	1-233-448-11	s	RES, CHIP NETWORK 22
RB30	1-233-448-11	s	RES, CHIP NETWORK 22
RB31	1-233-448-11	s	RES, CHIP NETWORK 22
RB32	1-233-448-11	s	RES, CHIP NETWORK 22
RB33	1-233-448-11	s	RES, CHIP NETWORK 22
RB34	1-233-448-11	s	RES, CHIP NETWORK 22
RB35	1-233-448-11	s	RES, CHIP NETWORK 22
RB36	1-233-448-11	s	RES, CHIP NETWORK 22
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB39	1-233-448-11	s	RES, CHIP NETWORK 22
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB41	1-233-448-11	s	RES, CHIP NETWORK 22
RB42	1-233-448-11	s	RES, CHIP NETWORK 22
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB45	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB47	1-233-448-11	s	RES, CHIP NETWORK 22
RB48	1-233-448-11	s	RES, CHIP NETWORK 22
RB49	1-233-448-11	s	RES, CHIP NETWORK 22
RB50	1-233-235-11	s	RES, CHIP NETWORK 10k
RB51	1-234-078-11	s	RES, CHIP NETWORK 47
RB52	1-234-078-11	s	RES, CHIP NETWORK 47
RB53	1-234-078-11	s	RES, CHIP NETWORK 47
RB54	1-234-078-11	s	RES, CHIP NETWORK 47
RB55	1-234-078-11	s	RES, CHIP NETWORK 47
RB56	1-234-078-11	s	RES, CHIP NETWORK 47
RB57	1-234-078-11	s	RES, CHIP NETWORK 47
RB58	1-234-078-11	s	RES, CHIP NETWORK 47
RB59	1-234-078-11	s	RES, CHIP NETWORK 47
RB60	1-234-078-11	s	RES, CHIP NETWORK 47
RB61	1-234-078-11	s	RES, CHIP NETWORK 47
RB62	1-234-078-11	s	RES, CHIP NETWORK 47
RB63	1-234-078-11	s	RES, CHIP NETWORK 47
RB64	1-234-078-11	s	RES, CHIP NETWORK 47
RB65	1-234-078-11	s	RES, CHIP NETWORK 47
RB66	1-233-448-11	s	RES, CHIP NETWORK 22
RB67	1-233-448-11	s	RES, CHIP NETWORK 22
RB68	1-233-448-11	s	RES, CHIP NETWORK 22
RB69	1-233-448-11	s	RES, CHIP NETWORK 22
RB70	1-233-448-11	s	RES, CHIP NETWORK 22
RB71	1-233-448-11	s	RES, CHIP NETWORK 22

(KPC-3 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB72	1-233-448-11	s	RES, CHIP NETWORK 22
RB73	1-233-448-11	s	RES, CHIP NETWORK 22
RB74	1-233-448-11	s	RES, CHIP NETWORK 22
RB75	1-233-448-11	s	RES, CHIP NETWORK 22
RB76	1-233-448-11	s	RES, CHIP NETWORK 22
RB77	1-233-448-11	s	RES, CHIP NETWORK 22
RB78	1-233-448-11	s	RES, CHIP NETWORK 22
RB79	1-233-448-11	s	RES, CHIP NETWORK 22
RB80	1-233-448-11	s	RES, CHIP NETWORK 22
RB81	1-233-448-11	s	RES, CHIP NETWORK 22
RB82	1-233-448-11	s	RES, CHIP NETWORK 22
RB83	1-233-448-11	s	RES, CHIP NETWORK 22
RB84	1-233-448-11	s	RES, CHIP NETWORK 22
RB85	1-233-448-11	s	RES, CHIP NETWORK 22
RB86	1-233-448-11	s	RES, CHIP NETWORK 22
RB87	1-233-448-11	s	RES, CHIP NETWORK 22
RB88	1-233-448-11	s	RES, CHIP NETWORK 22
RB89	1-233-448-11	s	RES, CHIP NETWORK 22
RB90	1-233-448-11	s	RES, CHIP NETWORK 22
RB91	1-233-448-11	s	RES, CHIP NETWORK 22
RB92	1-233-235-11	s	RES, CHIP NETWORK 10k

MB-494 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-477-A	o	MOUNTED CIRCUIT BOARD, MB-494
12pcs	3-187-548-02	s	GIZA TITE, +BV 3x10
8pcs	7-682-949-01	s	SCREW +PSW 3x10
CN201	1-506-703-11	o	CONNECTOR, ILG 4P, MALE
CN202	1-506-703-11	o	CONNECTOR, ILG 4P, MALE
CN203	1-580-838-11	o	CONNECTOR 4P, MALE
CN204	1-580-838-11	o	CONNECTOR 4P, MALE
CN205	1-560-356-00	o	CONNECTOR, ILG 2P, MALE
R1	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W

MEM-87 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-512-A	o	MOUNTED CIRCUIT BOARD, MEM-87
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
IC1	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC2	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC3	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC4	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC5	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC6	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC7	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
IC8	8-759-528-68	s	IC MT58LC128K18B3LG-10TR
R1	1-216-295-91	s	RES, CHIP 0
R2	1-216-295-91	s	RES, CHIP 0
R3	1-216-295-91	s	RES, CHIP 0
R4	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R5	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R6	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R7	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R8	1-216-295-91	s	RES, CHIP 0
R9	1-216-295-91	s	RES, CHIP 0
R10	1-216-295-91	s	RES, CHIP 0

(MEM-87 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R11	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R12	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R13	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R14	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R15	1-216-295-91	s	RES, CHIP 0
R16	1-216-295-91	s	RES, CHIP 0
R17	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R18	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R19	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R20	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R21	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R22	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R23	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R24	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W

MEM-92 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-513-A	o	MOUNTED CIRCUIT BOARD, MEM-92
1pc	7-682-545-04	s	SCREW +B 3x4
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-126-394-11	s	ELECT, CHIP 10uF 20% 16V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-107-818-11	s	DOUBLE LAYERS 1F 5.5V
C12	1-107-818-11	s	DOUBLE LAYERS 1F 5.5V
C13	1-107-818-11	s	DOUBLE LAYERS 1F 5.5V
C14	1-107-818-11	s	DOUBLE LAYERS 1F 5.5V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
D1	8-719-800-76	s	DIODE 1SS226
D2	8-719-800-76	s	DIODE 1SS226
IC1	8-759-527-44	s	IC MAX693ACSE
IC2	8-759-527-44	s	IC MAX693ACSE
IC3	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC4	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC5	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC6	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC7	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC8	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC9	8-759-529-02	s	IC HM628512ALTT-5SLZ
IC10	8-759-529-02	s	IC HM628512ALTT-5SLZ
R1	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R2	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W

MIX-13 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-491-A	o	MOUNTED CIRCUIT BOARD, MIX-13
2pcs	3-194-878-01	s	LEVER, PC BOARD
14pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
2pcs	7-626-320-11	s	PIN, SPRING 3x8
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C4	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C5	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C20	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C21	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C22	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C23	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C24	1-128-401-11	s	ELECT 100uF 20% 25V
C25	1-128-401-11	s	ELECT 100uF 20% 25V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C54	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C79	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C80	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-038-91	s	CERAMIC 0.1uF 25V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C100	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-163-038-91	s	CERAMIC 0.1uF 25V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C116	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-038-91	s	CERAMIC 0.1uF 25V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C133	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C151	1-117-372-11	s	TANTALUM 100uF 20% 10V
C152	1-117-372-11	s	TANTALUM 100uF 20% 10V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C173	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-038-91	s	CERAMIC 0.1uF 25V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C226	1-163-038-91	s	CERAMIC 0.1uF 25V
C227	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C228	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V
C230	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C231	1-117-372-11	s	TANTALUM 100uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP	Description
C232	1-117-372-11	s	TANTALUM 100uF 20% 10V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-038-91	s	CERAMIC 0.1uF 25V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-163-038-91	s	CERAMIC 0.1uF 25V
C243	1-163-038-91	s	CERAMIC 0.1uF 25V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C251	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C258	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-038-91	s	CERAMIC 0.1uF 25V
C279	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C287	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C291	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C296	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C297	1-117-372-11	s	TANTALUM 100uF 20% 10V
C298	1-117-372-11	s	TANTALUM 100uF 20% 10V
C299	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C300	1-163-038-91	s	CERAMIC 0.1uF 25V
C301	1-163-038-91	s	CERAMIC 0.1uF 25V
C302	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C315	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C327	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C328	1-163-038-91	s	CERAMIC 0.1uF 25V
C329	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C335	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C344	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C350	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C358	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C379	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C396	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C408	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C409	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C410	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C411	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C412	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C413	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C418	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C428	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C449	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C450	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C451	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C452	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C457	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C458	1-163-038-91	s	CERAMIC 0.1uF 25V
C459	1-163-038-91	s	CERAMIC 0.1uF 25V
C460	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C461	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C467	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C474	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C482	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C487	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C488	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C489	1-163-038-91	s	CERAMIC 0.1uF 25V
C490	1-163-038-91	s	CERAMIC 0.1uF 25V
C491	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C492	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C493	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C504	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C505	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C506	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C507	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C531	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C536	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C537	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C544	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C545	1-163-038-91	s	CERAMIC 0.1uF 25V
C546	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C551	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C566	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C567	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C573	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C596	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C603	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C630	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C631	1-163-038-91	s	CERAMIC 0.1uF 25V
C633	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C634	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C657	1-117-372-11	s	TANTALUM 100uF 20% 10V
C658	1-117-372-11	s	TANTALUM 100uF 20% 10V
C691	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C692	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C693	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C694	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C725	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C734	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C743	1-117-372-11	s	TANTALUM 100uF 20% 10V
C744	1-117-372-11	s	TANTALUM 100uF 20% 10V
C766	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C767	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C768	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C775	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C807	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C808	1-163-038-91	s	CERAMIC 0.1uF 25V
C809	1-163-038-91	s	CERAMIC 0.1uF 25V
C810	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C817	1-117-372-11	s	TANTALUM 100uF 20% 10V
C818	1-117-372-11	s	TANTALUM 100uF 20% 10V
C830	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C831	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C832	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C847	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C848	1-163-038-91	s	CERAMIC 0.1uF 25V
C849	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C861	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C901	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C902	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C915	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C922	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C923	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C924	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C925	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C940	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C941	1-163-038-91	s	CERAMIC 0.1uF 25V
C942	1-163-038-91	s	CERAMIC 0.1uF 25V
C943	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C948	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C957	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C958	1-163-038-91	s	CERAMIC 0.1uF 25V
C959	1-163-038-91	s	CERAMIC 0.1uF 25V
C960	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C961	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C966	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C967	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C976	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C986	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C987	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
D2	8-719-975-84	s	DIODE AY1101W-88
D3	8-719-975-84	s	DIODE AY1101W-88
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F5	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-465-49	s	IC MC10ELT21DR2
IC2	8-759-466-21	s	IC S4405B-80
IC3	8-759-464-48	s	IC CXD8900J
IC4	8-759-464-48	s	IC CXD8900J
IC5	8-759-464-48	s	IC CXD8900J
IC6	8-759-464-48	s	IC CXD8900J
IC7	8-759-464-48	s	IC CXD8900J
IC9	8-759-464-48	s	IC CXD8900J
IC10	8-759-464-48	s	IC CXD8900J
IC11	8-759-466-59	s	IC CGS2535TVX
IC12	8-759-464-48	s	IC CXD8900J
IC13	8-759-464-48	s	IC CXD8900J
IC14	8-759-464-48	s	IC CXD8900J
IC15	8-759-464-48	s	IC CXD8900J
IC16	8-759-464-48	s	IC CXD8900J
IC17	8-759-439-42	s	IC CXD9022R
IC18	8-759-439-42	s	IC CXD9022R
IC19	8-759-523-51	s	IC TC74ACT574FT(EL)
IC20	8-759-466-59	s	IC CGS2535TVX

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC21	8-759-466-59	s	IC CGS2535TVX
IC22	8-759-271-78	s	IC DS26C32ATM
IC23	8-759-386-26	s	IC 74LCX574MTCX
IC24	8-759-464-48	s	IC CXD8900J
IC25	8-759-464-48	s	IC CXD8900J
IC26	8-759-464-48	s	IC CXD8900J
IC27	8-759-464-48	s	IC CXD8900J
IC28	8-759-464-48	s	IC CXD8900J
IC29	8-759-464-48	s	IC CXD8900J
IC30	8-759-464-48	s	IC CXD8900J
IC32	8-759-464-48	s	IC CXD8900J
IC33	8-759-464-48	s	IC CXD8900J
IC34	8-759-464-48	s	IC CXD8900J
IC35	8-759-464-48	s	IC CXD8900J
IC37	8-759-466-59	s	IC CGS2535TVX
IC38	8-759-466-59	s	IC CGS2535TVX
IC39	8-759-386-26	s	IC 74LCX574MTCX
IC40	8-759-439-42	s	IC CXD9022R
IC41	8-759-439-42	s	IC CXD9022R
IC42	8-759-464-48	s	IC CXD8900J
IC43	8-759-464-48	s	IC CXD8900J
IC44	8-759-464-48	s	IC CXD8900J
IC45	8-759-464-48	s	IC CXD8900J
IC47	8-759-464-48	s	IC CXD8900J
IC48	8-759-464-48	s	IC CXD8900J
IC49	8-759-464-48	s	IC CXD8900J
IC50	8-759-464-48	s	IC CXD8900J
IC51	8-759-464-48	s	IC CXD8900J
IC52	8-759-464-48	s	IC CXD8900J
IC53	8-759-464-48	s	IC CXD8900J
IC54	8-759-464-48	s	IC CXD8900J
IC55	8-759-386-26	s	IC 74LCX574MTCX
IC57	8-759-505-06	s	IC CXD8058Q
IC65	8-759-466-57	s	IC 74LCX157MTCX
IC66	8-759-466-55	s	IC 74LCX74MTCX
IC67	8-759-389-48	s	IC 74LCX16374MTDX
IC68	8-759-389-48	s	IC 74LCX16374MTDX
IC69	8-759-389-48	s	IC 74LCX16374MTDX
IC70	8-759-389-48	s	IC 74LCX16374MTDX
IC71	8-759-389-48	s	IC 74LCX16374MTDX
IC72	8-759-389-48	s	IC 74LCX16374MTDX
IC73	8-759-466-57	s	IC 74LCX157MTCX
IC74	8-759-466-57	s	IC 74LCX157MTCX
IC75	8-759-466-57	s	IC 74LCX157MTCX
IC76	8-759-466-57	s	IC 74LCX157MTCX
IC77	8-759-466-57	s	IC 74LCX157MTCX
IC78	8-759-386-27	s	IC 74LCX04MTCX
IC79	8-759-271-82	s	IC DS3695ATM
IC80	8-759-466-63	s	IC CXD8895Q
IC81	8-759-466-63	s	IC CXD8895Q
IC82	8-759-466-63	s	IC CXD8895Q
IC83	8-759-466-63	s	IC CXD8895Q
IC84	8-759-464-48	s	IC CXD8900J
IC85	8-759-464-48	s	IC CXD8900J
IC86	8-759-464-48	s	IC CXD8900J
IC87	8-759-464-48	s	IC CXD8900J
IC88	8-759-505-00	s	IC CXD8052Q
IC89	8-759-464-47	s	IC CXD8893J
IC90	8-759-464-47	s	IC CXD8893J

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC91	8-759-469-98	s	IC CAT93C66k-LE10
IC92	8-759-464-46	s	IC CXD8899J
IC93	8-759-464-46	s	IC CXD8899J
IC94	8-759-464-46	s	IC CXD8899J
IC95	8-759-464-46	s	IC CXD8899J
IC96	8-759-464-46	s	IC CXD8899J
IC97	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC98	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC99	8-759-466-62	s	IC CXD8894Q
IC100	8-759-466-62	s	IC CXD8894Q
IC101	8-759-523-49	s	IC TC74ACT541FT(EL)
IC102	8-759-523-49	s	IC TC74ACT541FT(EL)
IC103	8-759-466-63	s	IC CXD8895Q
IC105	8-759-466-63	s	IC CXD8895Q
IC107	8-759-456-26	s	IC 74LCX541MTCX
IC108	8-759-523-49	s	IC TC74ACT541FT(EL)
IC109	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC110	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC111	8-759-464-47	s	IC CXD8893J
IC112	8-759-464-47	s	IC CXD8893J
IC113	8-759-464-46	s	IC CXD8899J
IC114	8-759-464-46	s	IC CXD8899J
IC115	8-759-464-46	s	IC CXD8899J
IC116	8-759-464-46	s	IC CXD8899J
IC117	8-759-464-46	s	IC CXD8899J
IC118	8-759-466-62	s	IC CXD8894Q
IC119	8-759-466-62	s	IC CXD8894Q
IC120	8-759-439-44	s	IC CXD9024Q
IC121	8-759-439-44	s	IC CXD9024Q
IC122	8-759-439-44	s	IC CXD9024Q
IC123	8-759-439-44	s	IC CXD9024Q
IC124	8-759-456-26	s	IC 74LCX541MTCX
IC125	8-759-456-26	s	IC 74LCX541MTCX
IC126	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC127	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC128	8-759-466-62	s	IC CXD8894Q
IC129	8-759-466-62	s	IC CXD8894Q
IC130	8-759-523-49	s	IC TC74ACT541FT(EL)
IC131	8-759-464-46	s	IC CXD8899J
IC132	8-759-464-46	s	IC CXD8899J
IC133	8-759-464-46	s	IC CXD8899J
IC134	8-759-464-46	s	IC CXD8899J
IC135	8-759-464-46	s	IC CXD8899J
IC136	8-759-464-47	s	IC CXD8893J
IC137	8-759-464-47	s	IC CXD8893J
IC138	8-759-527-57	s	IC SN74ABT16823DGGR
IC139	8-759-527-57	s	IC SN74ABT16823DGGR
IC140	8-759-466-63	s	IC CXD8895Q
IC141	8-759-466-63	s	IC CXD8895Q
IC142	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC143	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC144	8-759-466-62	s	IC CXD8894Q
IC145	8-759-466-62	s	IC CXD8894Q
IC146	8-759-523-49	s	IC TC74ACT541FT(EL)
IC147	8-759-523-49	s	IC TC74ACT541FT(EL)
IC148	8-759-523-49	s	IC TC74ACT541FT(EL)
IC149	8-759-456-26	s	IC 74LCX541MTCX
IC150	8-759-456-26	s	IC 74LCX541MTCX
IC151	8-759-456-26	s	IC 74LCX541MTCX

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC152	8-759-464-46	s	IC CXD8899J
IC153	8-759-464-46	s	IC CXD8899J
IC154	8-759-464-46	s	IC CXD8899J
IC155	8-759-464-46	s	IC CXD8899J
IC156	8-759-464-46	s	IC CXD8899J
IC159	8-759-466-63	s	IC CXD8895Q
IC160	8-759-466-63	s	IC CXD8895Q
IC161	8-759-464-47	s	IC CXD8893J
IC162	8-759-464-47	s	IC CXD8893J
IC163	8-759-464-47	s	IC CXD8893J
IC164	8-759-456-26	s	IC 74LCX541MTCX
IC165	8-759-456-26	s	IC 74LCX541MTCX
IC166	8-759-523-49	s	IC TC74ACT541FT(EL)
IC167	8-759-523-49	s	IC TC74ACT541FT(EL)
IC168	8-759-456-26	s	IC 74LCX541MTCX
IC169	8-759-523-49	s	IC TC74ACT541FT(EL)
IC170	8-759-464-46	s	IC CXD8899J
IC171	8-759-464-46	s	IC CXD8899J
IC172	8-759-464-46	s	IC CXD8899J
IC173	8-759-464-46	s	IC CXD8899J
IC174	8-759-464-46	s	IC CXD8899J
IC175	8-759-527-57	s	IC SN74ABT16823DGGR
IC176	8-759-527-57	s	IC SN74ABT16823DGGR
IC177	8-759-466-63	s	IC CXD8895Q
IC178	8-759-466-63	s	IC CXD8895Q
IC179	8-759-505-00	s	IC CXD8052Q
IC180	8-759-523-49	s	IC TC74ACT541FT(EL)
IC181	8-759-523-49	s	IC TC74ACT541FT(EL)
IC182	8-759-464-47	s	IC CXD8893J
IC183	8-759-464-47	s	IC CXD8893J
IC184	8-759-464-47	s	IC CXD8893J
IC185	8-759-456-26	s	IC 74LCX541MTCX
IC186	8-759-456-26	s	IC 74LCX541MTCX
IC189	8-759-464-46	s	IC CXD8899J
IC190	8-759-464-46	s	IC CXD8899J
IC191	8-759-464-46	s	IC CXD8899J
IC192	8-759-464-46	s	IC CXD8899J
IC193	8-759-464-46	s	IC CXD8899J
IC196	8-759-456-26	s	IC 74LCX541MTCX
IC197	8-759-456-26	s	IC 74LCX541MTCX
IC199	8-759-527-57	s	IC SN74ABT16823DGGR
IC200	8-759-466-63	s	IC CXD8895Q
IC201	8-759-464-48	s	IC CXD8900J
IC202	8-759-464-48	s	IC CXD8900J
IC203	8-759-464-48	s	IC CXD8900J
IC204	8-759-464-48	s	IC CXD8900J
IC205	8-759-523-49	s	IC TC74ACT541FT(EL)
IC206	8-759-523-49	s	IC TC74ACT541FT(EL)
IC207	8-759-464-46	s	IC CXD8899J
IC208	8-759-464-46	s	IC CXD8899J
IC209	8-759-464-46	s	IC CXD8899J
IC210	8-759-464-46	s	IC CXD8899J
IC211	8-759-464-46	s	IC CXD8899J
IC213	8-759-456-26	s	IC 74LCX541MTCX
IC214	8-759-456-26	s	IC 74LCX541MTCX
IC215	8-759-464-48	s	IC CXD8900J
IC216	8-759-464-48	s	IC CXD8900J
IC217	8-759-464-48	s	IC CXD8900J
IC218	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC219	8-759-464-48	s	IC CXD8900J
IC222	8-759-466-63	s	IC CXD8895Q
IC224	8-759-464-46	s	IC CXD8899J
IC225	8-759-464-46	s	IC CXD8899J
IC226	8-759-464-46	s	IC CXD8899J
IC227	8-759-464-46	s	IC CXD8899J
IC228	8-759-464-46	s	IC CXD8899J
IC233	8-759-464-48	s	IC CXD8900J
IC234	8-759-464-48	s	IC CXD8900J
IC235	8-759-464-48	s	IC CXD8900J
IC236	8-759-464-48	s	IC CXD8900J
IC241	8-759-439-44	s	IC CXD9024Q
IC243	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC244	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC246	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC248	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC249	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC250	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC251	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC253	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC254	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC255	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC257	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC258	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC259	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC261	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC262	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC263	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC300	8-759-464-46	s	IC CXD8899J
IC301	8-759-464-46	s	IC CXD8899J
IC302	8-759-464-46	s	IC CXD8899J
IC303	8-759-464-46	s	IC CXD8899J
IC304	8-759-464-46	s	IC CXD8899J
IC305	8-759-464-46	s	IC CXD8899J
IC306	8-759-464-46	s	IC CXD8899J
IC307	8-759-464-46	s	IC CXD8899J
IC308	8-759-464-46	s	IC CXD8899J
IC309	8-759-464-46	s	IC CXD8899J
IC310	8-759-464-46	s	IC CXD8899J
IC311	8-759-464-46	s	IC CXD8899J
IC312	8-759-464-46	s	IC CXD8899J
IC313	8-759-464-46	s	IC CXD8899J
IC314	8-759-464-46	s	IC CXD8899J
IC315	8-759-464-46	s	IC CXD8899J
IC316	8-759-464-48	s	IC CXD8900J
IC317	8-759-464-48	s	IC CXD8900J
IC318	8-759-464-48	s	IC CXD8900J
IC319	8-759-464-48	s	IC CXD8900J
IC320	8-759-466-59	s	IC CGS2535TVX
IC321	8-759-523-51	s	IC TC74ACT574FT(EL)
IC322	8-759-523-51	s	IC TC74ACT574FT(EL)
IC323	8-759-464-48	s	IC CXD8900J
IC324	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC325	8-759-456-26	s	IC 74LCX541MTCX
IC326	8-759-523-49	s	IC TC74ACT541FT(EL)
IC327	8-759-523-49	s	IC TC74ACT541FT(EL)
IC328	8-759-523-49	s	IC TC74ACT541FT(EL)
IC329	8-759-456-26	s	IC 74LCX541MTCX
IC330	8-759-456-26	s	IC 74LCX541MTCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC331	8-759-523-49	s	IC TC74ACT541FT(EL)
IC332	8-759-523-49	s	IC TC74ACT541FT(EL)
IC333	8-759-523-49	s	IC TC74ACT541FT(EL)
IC334	8-759-523-49	s	IC TC74ACT541FT(EL)
IC335	8-759-523-49	s	IC TC74ACT541FT(EL)
IC336	8-759-456-26	s	IC 74LCX541MTCX
IC337	8-759-456-26	s	IC 74LCX541MTCX
IC338	8-759-456-26	s	IC 74LCX541MTCX
IC339	8-759-456-26	s	IC 74LCX541MTCX
IC340	8-759-456-26	s	IC 74LCX541MTCX
IC341	8-759-456-26	s	IC 74LCX541MTCX
IC342	8-759-464-48	s	IC CXD8900J
IC343	8-759-464-48	s	IC CXD8900J
IC344	8-759-523-49	s	IC TC74ACT541FT(EL)
IC345	8-759-389-26	s	IC 74LCX08MTCX
IC346	8-759-523-49	s	IC TC74ACT541FT(EL)
IC347	8-759-523-49	s	IC TC74ACT541FT(EL)
IC348	8-759-523-49	s	IC TC74ACT541FT(EL)
IC349	8-759-523-49	s	IC TC74ACT541FT(EL)
IC350	8-759-523-49	s	IC TC74ACT541FT(EL)
IC351	8-759-523-51	s	IC TC74ACT574FT(EL)
IC352	8-759-466-59	s	IC CGS2535TVX
IC353	8-759-466-59	s	IC CGS2535TVX
IC354	8-759-468-08	s	IC 74LVX3L384QSCX
IC355	8-759-468-08	s	IC 74LVX3L384QSCX
IC356	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC357	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC358	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC359	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC360	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC361	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC362	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC363	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC364	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC365	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC366	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC367	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC368	8-759-523-49	s	IC TC74ACT541FT(EL)
R1	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R2	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R3	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R4	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R5	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R7	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R8	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R9	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R12	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R13	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R15	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R16	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R17	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R20	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R21	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R22	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R23	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R27	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R30	1-216-667-11	s	METAL, CHIP 4.7k 0.5% 1/10W
R31	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R32	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R35	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R36	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R37	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R39	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R40	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R41	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R42	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R44	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R47	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R48	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R49	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R54	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R55	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R56	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R59	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R60	1-216-295-91	s	RES, CHIP 0
R61	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R62	1-216-295-91	s	RES, CHIP 0
R64	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R66	1-216-295-91	s	RES, CHIP 0
R67	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R69	1-216-295-91	s	RES, CHIP 0
R70	1-216-295-91	s	RES, CHIP 0
R71	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R72	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R74	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R77	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R79	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R82	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R84	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R86	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R87	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R89	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R90	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R93	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R96	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R98	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R102	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R103	1-216-295-91	s	RES, CHIP 0
R104	1-216-295-91	s	RES, CHIP 0
R105	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R106	1-216-295-91	s	RES, CHIP 0
R107	1-216-295-91	s	RES, CHIP 0
R108	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R109	1-216-295-91	s	RES, CHIP 0
R110	1-216-295-91	s	RES, CHIP 0
R111	1-216-295-91	s	RES, CHIP 0
R112	1-216-295-91	s	RES, CHIP 0
R113	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R114	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R115	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R116	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R117	1-216-295-91	s	RES, CHIP 0
R118	1-216-295-91	s	RES, CHIP 0
R119	1-216-295-91	s	RES, CHIP 0
R120	1-216-295-91	s	RES, CHIP 0
R121	1-216-295-91	s	RES, CHIP 0
R122	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R123	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R125	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R126	1-216-295-91	s	RES, CHIP 0
R127	1-216-295-91	s	RES, CHIP 0
R129	1-216-295-91	s	RES, CHIP 0
R130	1-216-295-91	s	RES, CHIP 0
R132	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R133	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R135	1-216-295-91	s	RES, CHIP 0
R136	1-216-295-91	s	RES, CHIP 0
R137	1-216-295-91	s	RES, CHIP 0
R139	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R141	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R143	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R144	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R145	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R146	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R147	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R148	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R149	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R150	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R151	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R152	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R154	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R155	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R158	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R159	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R163	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R164	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R166	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R167	1-216-295-91	s	RES, CHIP 0
R168	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R169	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R170	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R172	1-216-295-91	s	RES, CHIP 0
R173	1-216-295-91	s	RES, CHIP 0
R174	1-216-295-91	s	RES, CHIP 0
R175	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R176	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R180	1-216-295-91	s	RES, CHIP 0
R181	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R182	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R183	1-216-295-91	s	RES, CHIP 0
R184	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R188	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R189	1-216-295-91	s	RES, CHIP 0
R190	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R192	1-216-295-91	s	RES, CHIP 0
R193	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R194	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R195	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R196	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R197	1-216-295-91	s	RES, CHIP 0
R198	1-216-295-91	s	RES, CHIP 0
R199	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R201	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R204	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R205	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R208	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R209	1-216-295-91	s	RES, CHIP 0
R211	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R212	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R216	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R217	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R219	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R220	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R222	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R224	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R225	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R226	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R230	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R232	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R235	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R236	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R238	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R240	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R241	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R242	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R243	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R244	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R245	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R246	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R248	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R249	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R252	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R253	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R254	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R259	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R262	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R263	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R265	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R266	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R268	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R270	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R271	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R272	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R274	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R275	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R276	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R280	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R281	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R285	1-216-295-91	s	RES, CHIP 0
R287	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R288	1-216-295-91	s	RES, CHIP 0
R289	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R290	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R291	1-216-295-91	s	RES, CHIP 0
R292	1-216-295-91	s	RES, CHIP 0
R293	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R294	1-216-295-91	s	RES, CHIP 0
R297	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R298	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R300	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R302	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R304	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R306	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R308	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R310	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R312	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R314	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R318	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R320	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R321	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R323	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R326	1-216-295-91	s	RES, CHIP 0
R327	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R331	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R333	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R335	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R339	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R340	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R343	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R344	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R345	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R346	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R347	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R352	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R353	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R354	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R359	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R360	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R363	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R364	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R366	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R368	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R369	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R373	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R375	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R377	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R379	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R380	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R381	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R384	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R387	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R388	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R403	1-216-295-91	s	RES, CHIP 0
R404	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R405	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R406	1-216-295-91	s	RES, CHIP 0
R407	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R408	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R409	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R410	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R411	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R412	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R413	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R414	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
RB1	1-234-078-11	s	RES, CHIP NETWORK 47
RB2	1-234-078-11	s	RES, CHIP NETWORK 47
RB3	1-234-078-11	s	RES, CHIP NETWORK 47
RB4	1-234-078-11	s	RES, CHIP NETWORK 47
RB5	1-234-078-11	s	RES, CHIP NETWORK 47
RB6	1-234-078-11	s	RES, CHIP NETWORK 47
RB7	1-234-078-11	s	RES, CHIP NETWORK 47
RB8	1-234-078-11	s	RES, CHIP NETWORK 47
RB9	1-234-078-11	s	RES, CHIP NETWORK 47
RB10	1-234-078-11	s	RES, CHIP NETWORK 47

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB11	1-234-078-11	s	RES, CHIP NETWORK 47
RB12	1-234-078-11	s	RES, CHIP NETWORK 47
RB13	1-234-078-11	s	RES, CHIP NETWORK 47
RB14	1-234-078-11	s	RES, CHIP NETWORK 47
RB15	1-234-078-11	s	RES, CHIP NETWORK 47
RB16	1-234-078-11	s	RES, CHIP NETWORK 47
RB17	1-234-078-11	s	RES, CHIP NETWORK 47
RB18	1-234-078-11	s	RES, CHIP NETWORK 47
RB19	1-234-078-11	s	RES, CHIP NETWORK 47
RB20	1-234-078-11	s	RES, CHIP NETWORK 47
RB21	1-234-078-11	s	RES, CHIP NETWORK 47
RB22	1-234-078-11	s	RES, CHIP NETWORK 47
RB23	1-234-078-11	s	RES, CHIP NETWORK 47
RB24	1-234-078-11	s	RES, CHIP NETWORK 47
RB25	1-234-077-11	s	RES, CHIP NETWORK 68
RB26	1-234-077-11	s	RES, CHIP NETWORK 68
RB27	1-234-077-11	s	RES, CHIP NETWORK 68
RB28	1-234-077-11	s	RES, CHIP NETWORK 68
RB29	1-234-077-11	s	RES, CHIP NETWORK 68
RB30	1-234-077-11	s	RES, CHIP NETWORK 68
RB31	1-234-077-11	s	RES, CHIP NETWORK 68
RB32	1-234-077-11	s	RES, CHIP NETWORK 68
RB33	1-234-077-11	s	RES, CHIP NETWORK 68
RB34	1-234-077-11	s	RES, CHIP NETWORK 68
RB35	1-234-077-11	s	RES, CHIP NETWORK 68
RB36	1-234-077-11	s	RES, CHIP NETWORK 68
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB39	1-234-077-11	s	RES, CHIP NETWORK 68
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB41	1-233-448-11	s	RES, CHIP NETWORK 22
RB42	1-234-077-11	s	RES, CHIP NETWORK 68
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB45	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB47	1-233-448-11	s	RES, CHIP NETWORK 22
RB48	1-233-448-11	s	RES, CHIP NETWORK 22
RB49	1-233-448-11	s	RES, CHIP NETWORK 22
RB50	1-233-448-11	s	RES, CHIP NETWORK 22
RB51	1-233-448-11	s	RES, CHIP NETWORK 22
RB52	1-233-448-11	s	RES, CHIP NETWORK 22
RB53	1-233-448-11	s	RES, CHIP NETWORK 22
RB54	1-234-078-11	s	RES, CHIP NETWORK 47
RB55	1-234-078-11	s	RES, CHIP NETWORK 47
RB56	1-234-078-11	s	RES, CHIP NETWORK 47
RB57	1-234-078-11	s	RES, CHIP NETWORK 47
RB58	1-234-078-11	s	RES, CHIP NETWORK 47
RB59	1-234-078-11	s	RES, CHIP NETWORK 47
RB60	1-234-078-11	s	RES, CHIP NETWORK 47
RB61	1-234-078-11	s	RES, CHIP NETWORK 47
RB62	1-234-078-11	s	RES, CHIP NETWORK 47
RB63	1-234-078-11	s	RES, CHIP NETWORK 47
RB64	1-234-078-11	s	RES, CHIP NETWORK 47
RB65	1-234-078-11	s	RES, CHIP NETWORK 47
RB66	1-234-078-11	s	RES, CHIP NETWORK 47
RB67	1-234-078-11	s	RES, CHIP NETWORK 47
RB68	1-234-078-11	s	RES, CHIP NETWORK 47
RB69	1-234-078-11	s	RES, CHIP NETWORK 47

(MIX-13 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB70	1-234-078-11	s	RES, CHIP NETWORK 47
RB71	1-234-078-11	s	RES, CHIP NETWORK 47
RB72	1-234-078-11	s	RES, CHIP NETWORK 47
RB73	1-234-078-11	s	RES, CHIP NETWORK 47
RB74	1-234-078-11	s	RES, CHIP NETWORK 47
RB75	1-234-077-11	s	RES, CHIP NETWORK 68
RB76	1-234-077-11	s	RES, CHIP NETWORK 68
RB77	1-234-077-11	s	RES, CHIP NETWORK 68
RB78	1-234-077-11	s	RES, CHIP NETWORK 68
RB79	1-234-077-11	s	RES, CHIP NETWORK 68
RB80	1-234-077-11	s	RES, CHIP NETWORK 68
RB81	1-234-077-11	s	RES, CHIP NETWORK 68
RB82	1-234-077-11	s	RES, CHIP NETWORK 68
RB83	1-234-077-11	s	RES, CHIP NETWORK 68
RB84	1-233-448-11	s	RES, CHIP NETWORK 22
RB85	1-234-077-11	s	RES, CHIP NETWORK 68
RB86	1-233-448-11	s	RES, CHIP NETWORK 22
RB87	1-234-077-11	s	RES, CHIP NETWORK 68
RB88	1-234-077-11	s	RES, CHIP NETWORK 68
RB89	1-233-448-11	s	RES, CHIP NETWORK 22
RB90	1-233-448-11	s	RES, CHIP NETWORK 22
RB91	1-233-448-11	s	RES, CHIP NETWORK 22
RB92	1-233-448-11	s	RES, CHIP NETWORK 22
RB93	1-233-448-11	s	RES, CHIP NETWORK 22
RB94	1-233-448-11	s	RES, CHIP NETWORK 22
RB95	1-233-448-11	s	RES, CHIP NETWORK 22
RB96	1-233-448-11	s	RES, CHIP NETWORK 22
RB97	1-233-448-11	s	RES, CHIP NETWORK 22

OUT-7 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-487-A	o	MOUNTED CIRCUIT BOARD, OUT-7
1pc	1-783-440-11	o	CABLE ASSY, COAXIAL(CLN)
1pc	1-783-441-11	o	CABLE ASSY, COAXIAL(1ME1)
1pc	1-783-442-11	o	CABLE ASSY, COAXIAL(1ME2)
1pc	1-783-443-11	o	CABLE ASSY, COAXIAL(2ME1)
1pc	1-783-444-11	o	CABLE ASSY, COAXIAL(2ME2)
1pc	1-783-445-11	o	CABLE ASSY, COAXIAL(PGM1)
1pc	1-783-446-11	o	CABLE ASSY, COAXIAL(PGM2)
1pc	1-783-447-11	o	CABLE ASSY, COAXIAL(PGM3)
1pc	1-783-448-11	o	CABLE ASSY, COAXIAL(PVW)
1pc	1-783-449-11	o	CABLE ASSY, COAXIAL(AX1)
1pc	1-783-450-11	o	CABLE ASSY, COAXIAL(AX2)
1pc	1-783-451-11	o	CABLE ASSY, COAXIAL(AX3)
1pc	1-783-452-11	o	CABLE ASSY, COAXIAL(AX4)
1pc	1-783-453-11	o	CABLE ASSY, COAXIAL(AX5)
1pc	1-783-454-11	o	CABLE ASSY, COAXIAL(AX6)
1pc	1-783-455-11	o	CABLE ASSY, COAXIAL(AX7)
1pc	1-783-456-11	o	CABLE ASSY, COAXIAL(AX8)
1pc	1-783-457-11	o	CABLE ASSY, COAXIAL(AX9)
1pc	1-783-458-11	o	CABLE ASSY, COAXIAL(AX10)
45pcs	3-191-747-01	o	SUPPORT (M3), HEXAGON
2pcs	3-194-878-01	s	LEVER, PC BOARD
8pcs	3-683-631-01	o	CLAMP
14pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
2pcs	7-626-320-11	s	PIN, SPRING 3x8
45pcs	7-682-547-04	s	SCREW +B 3x6
C1	1-125-783-11	s	ELECT 820uF 20% 4V
C2	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C3	1-128-401-11	s	ELECT 100uF 20% 25V
C4	1-125-783-11	s	ELECT 820uF 20% 4V
C5	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C6	1-163-257-11	s	CERAMIC, CHIP 180pF 5% 50V
C7	1-164-346-11	s	CERAMIC 1uF 16V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-117-372-11	s	TANTALUM 100uF 20% 10V
C10	1-125-783-11	s	ELECT 820uF 20% 4V
C11	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C12	1-128-401-11	s	ELECT 100uF 20% 25V
C13	1-128-401-11	s	ELECT 100uF 20% 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C16	1-117-372-11	s	TANTALUM 100uF 20% 10V
C17	1-128-401-11	s	ELECT 100uF 20% 25V
C18	1-117-372-11	s	TANTALUM 100uF 20% 10V
C20	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C21	1-126-401-11	s	ELECT, CHIP 1uF 20% 50V
C22	1-125-783-11	s	ELECT 820uF 20% 4V
C23	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C24	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C25	1-164-346-11	s	CERAMIC 1uF 16V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-125-783-11	s	ELECT 820uF 20% 4V
C28	1-164-182-11	s	CERAMIC, CHIP 3300pF 10% 100V
C29	1-163-259-91	s	CERAMIC, CHIP 220pF 5% 50V
C30	1-164-346-11	s	CERAMIC 1uF 16V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C32	1-127-518-11	s	ALUMN SOLID 100uF 20% 16V
C33	1-127-518-11	s	ALUMN SOLID 100uF 20% 16V
C34	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C35	1-163-275-11	s	CERAMIC, CHIP 0.001uF 5% 50V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C48	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V
C58	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-038-91	s	CERAMIC 0.1uF 25V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-038-91	s	CERAMIC 0.1uF 25V
C279	1-163-038-91	s	CERAMIC 0.1uF 25V
C280	1-163-038-91	s	CERAMIC 0.1uF 25V
C281	1-163-038-91	s	CERAMIC 0.1uF 25V
C282	1-163-038-91	s	CERAMIC 0.1uF 25V
C283	1-163-038-91	s	CERAMIC 0.1uF 25V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V
C291	1-163-038-91	s	CERAMIC 0.1uF 25V
C292	1-163-038-91	s	CERAMIC 0.1uF 25V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-038-91	s	CERAMIC 0.1uF 25V
C296	1-163-038-91	s	CERAMIC 0.1uF 25V
C297	1-163-038-91	s	CERAMIC 0.1uF 25V
C298	1-163-038-91	s	CERAMIC 0.1uF 25V
C299	1-163-038-91	s	CERAMIC 0.1uF 25V
C430	1-163-038-91	s	CERAMIC 0.1uF 25V
C431	1-163-038-91	s	CERAMIC 0.1uF 25V
C432	1-163-038-91	s	CERAMIC 0.1uF 25V
C433	1-163-038-91	s	CERAMIC 0.1uF 25V
C434	1-163-038-91	s	CERAMIC 0.1uF 25V
C435	1-163-038-91	s	CERAMIC 0.1uF 25V
C436	1-163-038-91	s	CERAMIC 0.1uF 25V
C437	1-163-038-91	s	CERAMIC 0.1uF 25V
C438	1-163-038-91	s	CERAMIC 0.1uF 25V
C439	1-163-038-91	s	CERAMIC 0.1uF 25V

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C440	1-163-038-91	s	CERAMIC 0.1uF 25V
C441	1-163-038-91	s	CERAMIC 0.1uF 25V
C442	1-163-038-91	s	CERAMIC 0.1uF 25V
C443	1-163-038-91	s	CERAMIC 0.1uF 25V
C444	1-163-038-91	s	CERAMIC 0.1uF 25V
C445	1-163-038-91	s	CERAMIC 0.1uF 25V
C446	1-163-038-91	s	CERAMIC 0.1uF 25V
C447	1-163-038-91	s	CERAMIC 0.1uF 25V
C448	1-163-038-91	s	CERAMIC 0.1uF 25V
C449	1-163-038-91	s	CERAMIC 0.1uF 25V
C450	1-163-038-91	s	CERAMIC 0.1uF 25V
C451	1-163-038-91	s	CERAMIC 0.1uF 25V
C452	1-163-038-91	s	CERAMIC 0.1uF 25V
C453	1-163-038-91	s	CERAMIC 0.1uF 25V
C500	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C501	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C502	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C503	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C504	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C505	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C506	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C507	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C508	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C509	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C510	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C511	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C512	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C513	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C514	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C515	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C527	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C528	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C529	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C530	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C531	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C532	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C533	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C534	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C535	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C536	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C537	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C538	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C539	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C540	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C541	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C542	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C543	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C544	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C545	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C546	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C547	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C548	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C549	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C550	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C551	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C552	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C553	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C554	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C555	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C556	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C557	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C558	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C559	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C560	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C561	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C562	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C563	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C564	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C565	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C566	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C567	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C568	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C569	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C570	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C571	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C572	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C574	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C575	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C576	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C577	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C578	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C591	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C592	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C593	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C594	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C595	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C596	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C597	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C598	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C599	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C600	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C601	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C602	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C603	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C604	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C605	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C606	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C615	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C616	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C617	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C618	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C619	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C620	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C621	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C622	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C623	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C624	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C625	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C626	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C631	1-163-038-91	s	CERAMIC 0.1uF 25V
C632	1-163-038-91	s	CERAMIC 0.1uF 25V
C633	1-163-038-91	s	CERAMIC 0.1uF 25V
C634	1-163-038-91	s	CERAMIC 0.1uF 25V
C635	1-163-038-91	s	CERAMIC 0.1uF 25V
C636	1-163-038-91	s	CERAMIC 0.1uF 25V
C637	1-163-038-91	s	CERAMIC 0.1uF 25V
C638	1-163-038-91	s	CERAMIC 0.1uF 25V
C639	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C640	1-163-038-91	s	CERAMIC 0.1uF 25V
C641	1-163-038-91	s	CERAMIC 0.1uF 25V
C642	1-163-038-91	s	CERAMIC 0.1uF 25V
C643	1-163-038-91	s	CERAMIC 0.1uF 25V
C644	1-163-038-91	s	CERAMIC 0.1uF 25V
C645	1-163-038-91	s	CERAMIC 0.1uF 25V
C646	1-163-038-91	s	CERAMIC 0.1uF 25V
C647	1-163-038-91	s	CERAMIC 0.1uF 25V
C648	1-163-038-91	s	CERAMIC 0.1uF 25V
C649	1-163-038-91	s	CERAMIC 0.1uF 25V
C650	1-163-038-91	s	CERAMIC 0.1uF 25V
C651	1-163-038-91	s	CERAMIC 0.1uF 25V
C652	1-163-038-91	s	CERAMIC 0.1uF 25V
C653	1-163-038-91	s	CERAMIC 0.1uF 25V
C654	1-163-038-91	s	CERAMIC 0.1uF 25V
C655	1-163-038-91	s	CERAMIC 0.1uF 25V
C656	1-163-038-91	s	CERAMIC 0.1uF 25V
C657	1-163-038-91	s	CERAMIC 0.1uF 25V
C658	1-163-038-91	s	CERAMIC 0.1uF 25V
C659	1-163-038-91	s	CERAMIC 0.1uF 25V
C660	1-163-038-91	s	CERAMIC 0.1uF 25V
C661	1-163-038-91	s	CERAMIC 0.1uF 25V
C662	1-163-038-91	s	CERAMIC 0.1uF 25V
C663	1-163-038-91	s	CERAMIC 0.1uF 25V
C664	1-163-038-91	s	CERAMIC 0.1uF 25V
C665	1-163-038-91	s	CERAMIC 0.1uF 25V
C666	1-163-038-91	s	CERAMIC 0.1uF 25V
C667	1-163-038-91	s	CERAMIC 0.1uF 25V
C668	1-163-038-91	s	CERAMIC 0.1uF 25V
C669	1-163-038-91	s	CERAMIC 0.1uF 25V
C670	1-163-038-91	s	CERAMIC 0.1uF 25V
C671	1-163-038-91	s	CERAMIC 0.1uF 25V
C672	1-163-038-91	s	CERAMIC 0.1uF 25V
C673	1-163-038-91	s	CERAMIC 0.1uF 25V
C674	1-163-038-91	s	CERAMIC 0.1uF 25V
C675	1-163-038-91	s	CERAMIC 0.1uF 25V
C676	1-163-038-91	s	CERAMIC 0.1uF 25V
C677	1-163-038-91	s	CERAMIC 0.1uF 25V
C678	1-163-038-91	s	CERAMIC 0.1uF 25V
C679	1-163-038-91	s	CERAMIC 0.1uF 25V
C680	1-163-038-91	s	CERAMIC 0.1uF 25V
C681	1-163-038-91	s	CERAMIC 0.1uF 25V
C682	1-163-038-91	s	CERAMIC 0.1uF 25V
C683	1-163-038-91	s	CERAMIC 0.1uF 25V
C684	1-163-038-91	s	CERAMIC 0.1uF 25V
C685	1-163-038-91	s	CERAMIC 0.1uF 25V
C686	1-163-038-91	s	CERAMIC 0.1uF 25V
C687	1-163-038-91	s	CERAMIC 0.1uF 25V
C688	1-163-038-91	s	CERAMIC 0.1uF 25V
C689	1-163-038-91	s	CERAMIC 0.1uF 25V
C690	1-163-038-91	s	CERAMIC 0.1uF 25V
C691	1-163-038-91	s	CERAMIC 0.1uF 25V
C692	1-163-038-91	s	CERAMIC 0.1uF 25V
C693	1-163-038-91	s	CERAMIC 0.1uF 25V
C694	1-163-038-91	s	CERAMIC 0.1uF 25V
C695	1-163-038-91	s	CERAMIC 0.1uF 25V
C696	1-163-038-91	s	CERAMIC 0.1uF 25V
C697	1-163-038-91	s	CERAMIC 0.1uF 25V
C698	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C699	1-163-038-91	s	CERAMIC 0.1uF 25V
C700	1-163-038-91	s	CERAMIC 0.1uF 25V
C701	1-163-038-91	s	CERAMIC 0.1uF 25V
C702	1-163-038-91	s	CERAMIC 0.1uF 25V
C703	1-163-038-91	s	CERAMIC 0.1uF 25V
C704	1-163-038-91	s	CERAMIC 0.1uF 25V
C705	1-163-038-91	s	CERAMIC 0.1uF 25V
C706	1-163-038-91	s	CERAMIC 0.1uF 25V
C707	1-163-038-91	s	CERAMIC 0.1uF 25V
C708	1-163-038-91	s	CERAMIC 0.1uF 25V
C709	1-163-038-91	s	CERAMIC 0.1uF 25V
C710	1-163-038-91	s	CERAMIC 0.1uF 25V
C711	1-163-038-91	s	CERAMIC 0.1uF 25V
C712	1-163-038-91	s	CERAMIC 0.1uF 25V
C713	1-163-038-91	s	CERAMIC 0.1uF 25V
C714	1-163-038-91	s	CERAMIC 0.1uF 25V
C715	1-163-038-91	s	CERAMIC 0.1uF 25V
C716	1-163-038-91	s	CERAMIC 0.1uF 25V
C717	1-163-038-91	s	CERAMIC 0.1uF 25V
C718	1-163-038-91	s	CERAMIC 0.1uF 25V
C719	1-163-038-91	s	CERAMIC 0.1uF 25V
C720	1-163-038-91	s	CERAMIC 0.1uF 25V
C721	1-163-038-91	s	CERAMIC 0.1uF 25V
C722	1-163-038-91	s	CERAMIC 0.1uF 25V
C723	1-163-038-91	s	CERAMIC 0.1uF 25V
C724	1-163-038-91	s	CERAMIC 0.1uF 25V
C725	1-163-038-91	s	CERAMIC 0.1uF 25V
C726	1-163-038-91	s	CERAMIC 0.1uF 25V
C727	1-163-038-91	s	CERAMIC 0.1uF 25V
C728	1-163-038-91	s	CERAMIC 0.1uF 25V
C729	1-163-038-91	s	CERAMIC 0.1uF 25V
C730	1-163-038-91	s	CERAMIC 0.1uF 25V
C731	1-163-038-91	s	CERAMIC 0.1uF 25V
C732	1-163-038-91	s	CERAMIC 0.1uF 25V
C733	1-163-038-91	s	CERAMIC 0.1uF 25V
C734	1-163-038-91	s	CERAMIC 0.1uF 25V
C735	1-163-038-91	s	CERAMIC 0.1uF 25V
C736	1-163-038-91	s	CERAMIC 0.1uF 25V
C737	1-163-038-91	s	CERAMIC 0.1uF 25V
C738	1-163-038-91	s	CERAMIC 0.1uF 25V
C739	1-163-038-91	s	CERAMIC 0.1uF 25V
C740	1-163-038-91	s	CERAMIC 0.1uF 25V
C741	1-163-038-91	s	CERAMIC 0.1uF 25V
C742	1-163-038-91	s	CERAMIC 0.1uF 25V
C743	1-163-038-91	s	CERAMIC 0.1uF 25V
C744	1-163-038-91	s	CERAMIC 0.1uF 25V
C745	1-163-038-91	s	CERAMIC 0.1uF 25V
C746	1-163-038-91	s	CERAMIC 0.1uF 25V
C747	1-163-038-91	s	CERAMIC 0.1uF 25V
C748	1-163-038-91	s	CERAMIC 0.1uF 25V
C749	1-163-038-91	s	CERAMIC 0.1uF 25V
C750	1-163-038-91	s	CERAMIC 0.1uF 25V
C751	1-163-038-91	s	CERAMIC 0.1uF 25V
C752	1-163-038-91	s	CERAMIC 0.1uF 25V
C753	1-163-038-91	s	CERAMIC 0.1uF 25V
C754	1-163-038-91	s	CERAMIC 0.1uF 25V
C755	1-163-038-91	s	CERAMIC 0.1uF 25V
C756	1-163-038-91	s	CERAMIC 0.1uF 25V
C757	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C758	1-163-038-91	s	CERAMIC 0.1uF 25V
C759	1-163-038-91	s	CERAMIC 0.1uF 25V
C760	1-163-038-91	s	CERAMIC 0.1uF 25V
C761	1-163-038-91	s	CERAMIC 0.1uF 25V
C762	1-163-038-91	s	CERAMIC 0.1uF 25V
C763	1-163-038-91	s	CERAMIC 0.1uF 25V
C764	1-163-038-91	s	CERAMIC 0.1uF 25V
C765	1-163-038-91	s	CERAMIC 0.1uF 25V
C766	1-163-038-91	s	CERAMIC 0.1uF 25V
C767	1-163-038-91	s	CERAMIC 0.1uF 25V
C768	1-163-038-91	s	CERAMIC 0.1uF 25V
C769	1-163-038-91	s	CERAMIC 0.1uF 25V
C770	1-163-038-91	s	CERAMIC 0.1uF 25V
C771	1-163-038-91	s	CERAMIC 0.1uF 25V
C772	1-163-038-91	s	CERAMIC 0.1uF 25V
C773	1-163-038-91	s	CERAMIC 0.1uF 25V
C774	1-163-038-91	s	CERAMIC 0.1uF 25V
C775	1-163-038-91	s	CERAMIC 0.1uF 25V
C776	1-163-038-91	s	CERAMIC 0.1uF 25V
C777	1-163-038-91	s	CERAMIC 0.1uF 25V
C778	1-163-038-91	s	CERAMIC 0.1uF 25V
C779	1-163-038-91	s	CERAMIC 0.1uF 25V
C780	1-163-038-91	s	CERAMIC 0.1uF 25V
C781	1-163-038-91	s	CERAMIC 0.1uF 25V
C782	1-163-038-91	s	CERAMIC 0.1uF 25V
C783	1-163-038-91	s	CERAMIC 0.1uF 25V
C784	1-163-038-91	s	CERAMIC 0.1uF 25V
C785	1-163-038-91	s	CERAMIC 0.1uF 25V
C786	1-163-038-91	s	CERAMIC 0.1uF 25V
C787	1-163-038-91	s	CERAMIC 0.1uF 25V
C788	1-163-038-91	s	CERAMIC 0.1uF 25V
C789	1-163-038-91	s	CERAMIC 0.1uF 25V
C790	1-163-038-91	s	CERAMIC 0.1uF 25V
C791	1-163-038-91	s	CERAMIC 0.1uF 25V
C792	1-163-038-91	s	CERAMIC 0.1uF 25V
C793	1-163-038-91	s	CERAMIC 0.1uF 25V
C794	1-163-038-91	s	CERAMIC 0.1uF 25V
C795	1-163-038-91	s	CERAMIC 0.1uF 25V
C796	1-163-038-91	s	CERAMIC 0.1uF 25V
C797	1-163-038-91	s	CERAMIC 0.1uF 25V
C798	1-163-038-91	s	CERAMIC 0.1uF 25V
C799	1-163-038-91	s	CERAMIC 0.1uF 25V
C800	1-163-038-91	s	CERAMIC 0.1uF 25V
C801	1-163-038-91	s	CERAMIC 0.1uF 25V
C802	1-163-038-91	s	CERAMIC 0.1uF 25V
C803	1-163-038-91	s	CERAMIC 0.1uF 25V
C804	1-163-038-91	s	CERAMIC 0.1uF 25V
C805	1-163-038-91	s	CERAMIC 0.1uF 25V
C806	1-163-038-91	s	CERAMIC 0.1uF 25V
C807	1-163-038-91	s	CERAMIC 0.1uF 25V
C808	1-163-038-91	s	CERAMIC 0.1uF 25V
C809	1-163-038-91	s	CERAMIC 0.1uF 25V
C810	1-163-038-91	s	CERAMIC 0.1uF 25V
C811	1-163-038-91	s	CERAMIC 0.1uF 25V
C812	1-163-038-91	s	CERAMIC 0.1uF 25V
C813	1-163-038-91	s	CERAMIC 0.1uF 25V
C814	1-163-038-91	s	CERAMIC 0.1uF 25V
C815	1-163-038-91	s	CERAMIC 0.1uF 25V
C816	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C817	1-163-038-91	s	CERAMIC 0.1uF 25V
C818	1-163-038-91	s	CERAMIC 0.1uF 25V
C819	1-163-038-91	s	CERAMIC 0.1uF 25V
C820	1-163-038-91	s	CERAMIC 0.1uF 25V
C821	1-163-038-91	s	CERAMIC 0.1uF 25V
C822	1-163-038-91	s	CERAMIC 0.1uF 25V
C823	1-163-038-91	s	CERAMIC 0.1uF 25V
C824	1-163-038-91	s	CERAMIC 0.1uF 25V
C825	1-163-038-91	s	CERAMIC 0.1uF 25V
C826	1-163-038-91	s	CERAMIC 0.1uF 25V
C827	1-163-038-91	s	CERAMIC 0.1uF 25V
C828	1-163-038-91	s	CERAMIC 0.1uF 25V
C829	1-163-038-91	s	CERAMIC 0.1uF 25V
C830	1-163-038-91	s	CERAMIC 0.1uF 25V
C831	1-163-038-91	s	CERAMIC 0.1uF 25V
C832	1-163-038-91	s	CERAMIC 0.1uF 25V
C833	1-163-038-91	s	CERAMIC 0.1uF 25V
C834	1-163-038-91	s	CERAMIC 0.1uF 25V
C835	1-163-038-91	s	CERAMIC 0.1uF 25V
C836	1-163-038-91	s	CERAMIC 0.1uF 25V
C837	1-163-038-91	s	CERAMIC 0.1uF 25V
C838	1-163-038-91	s	CERAMIC 0.1uF 25V
C839	1-163-038-91	s	CERAMIC 0.1uF 25V
C840	1-163-038-91	s	CERAMIC 0.1uF 25V
C841	1-163-038-91	s	CERAMIC 0.1uF 25V
C842	1-163-038-91	s	CERAMIC 0.1uF 25V
C843	1-163-038-91	s	CERAMIC 0.1uF 25V
C844	1-163-038-91	s	CERAMIC 0.1uF 25V
C845	1-163-038-91	s	CERAMIC 0.1uF 25V
C846	1-163-038-91	s	CERAMIC 0.1uF 25V
C847	1-163-038-91	s	CERAMIC 0.1uF 25V
C848	1-163-038-91	s	CERAMIC 0.1uF 25V
C849	1-163-038-91	s	CERAMIC 0.1uF 25V
C850	1-163-038-91	s	CERAMIC 0.1uF 25V
C851	1-163-038-91	s	CERAMIC 0.1uF 25V
C852	1-163-038-91	s	CERAMIC 0.1uF 25V
C853	1-163-038-91	s	CERAMIC 0.1uF 25V
C854	1-163-038-91	s	CERAMIC 0.1uF 25V
C855	1-163-038-91	s	CERAMIC 0.1uF 25V
C856	1-163-038-91	s	CERAMIC 0.1uF 25V
C857	1-163-038-91	s	CERAMIC 0.1uF 25V
C858	1-163-038-91	s	CERAMIC 0.1uF 25V
C859	1-163-038-91	s	CERAMIC 0.1uF 25V
C860	1-163-038-91	s	CERAMIC 0.1uF 25V
C862	1-163-038-91	s	CERAMIC 0.1uF 25V
C863	1-163-038-91	s	CERAMIC 0.1uF 25V
C864	1-163-038-91	s	CERAMIC 0.1uF 25V
C865	1-163-038-91	s	CERAMIC 0.1uF 25V
C866	1-163-038-91	s	CERAMIC 0.1uF 25V
C867	1-163-038-91	s	CERAMIC 0.1uF 25V
C868	1-163-038-91	s	CERAMIC 0.1uF 25V
C869	1-163-038-91	s	CERAMIC 0.1uF 25V
C870	1-163-038-91	s	CERAMIC 0.1uF 25V
C871	1-163-038-91	s	CERAMIC 0.1uF 25V
C872	1-163-038-91	s	CERAMIC 0.1uF 25V
C873	1-163-038-91	s	CERAMIC 0.1uF 25V
C1000	1-117-372-11	s	TANTALUM 100uF 20% 10V
C1001	1-117-372-11	s	TANTALUM 100uF 20% 10V
C1002	1-117-372-11	s	TANTALUM 100uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP	Description
C1919	1-117-372-11	s	TANTALUM 100uF 20% 10V
C1920	1-117-372-11	s	TANTALUM 100uF 20% 10V
C1921	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C2006	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C2500	1-163-038-91	s	CERAMIC 0.1uF 25V
C3000	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
CN2	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN3	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN4	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN5	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN6	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN7	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN8	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN9	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN10	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN11	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN12	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN13	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN14	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN15	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN16	1-779-393-11	o	CONNECTOR, BB 100P, MALE
CN50	1-560-759-00	o	CONNECTOR, RIGHT ANGLE 10P, MALE
D1	8-719-048-17	s	DIODE MBRS130LT3
D2	8-719-048-17	s	DIODE MBRS130LT3
D3	8-719-048-17	s	DIODE MBRS130LT3
D4	8-719-048-17	s	DIODE MBRS130LT3
D5	8-719-048-17	s	DIODE MBRS130LT3
D6	8-719-048-17	s	DIODE MBRS130LT3
D7	8-719-975-84	s	DIODE AY1101W-88
D8	8-719-975-84	s	DIODE AY1101W-88
D9	8-719-975-84	s	DIODE AY1101W-88
D10	8-719-975-84	s	DIODE AY1101W-88
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F5	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F6	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F20	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F21	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-466-60	s	IC LTC1266CS-E2
IC6	8-759-466-60	s	IC LTC1266CS-E2
IC7	8-759-466-60	s	IC LTC1266CS-E2
IC10	8-759-466-21	s	IC S4405B-80
IC11	8-759-465-49	s	IC MC10ELT21DR2
IC13	8-759-386-26	s	IC 74LCX574MTCX
IC14	8-759-386-26	s	IC 74LCX574MTCX
IC15	8-759-386-27	s	IC 74LCX04MTCX
IC16	8-759-386-26	s	IC 74LCX574MTCX
IC17	8-759-271-82	s	IC DS3695ATM
IC18	8-759-464-46	s	IC CXD8899J
IC19	8-759-386-26	s	IC 74LCX574MTCX
IC20	8-759-386-26	s	IC 74LCX574MTCX
IC21	8-759-464-46	s	IC CXD8899J
IC22	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC23	8-759-464-46	s	IC CXD8899J
IC24	8-759-464-46	s	IC CXD8899J
IC25	8-759-464-48	s	IC CXD8900J
IC26	8-759-386-27	s	IC 74LCX04MTCX
IC27	8-759-271-78	s	IC DS26C32ATM
IC28	8-759-386-26	s	IC 74LCX574MTCX
IC29	8-759-542-61	s	IC EPM7128-TXINIT-V1
IC30	8-759-386-27	s	IC 74LCX04MTCX
IC31	8-759-386-26	s	IC 74LCX574MTCX
IC32	8-759-386-26	s	IC 74LCX574MTCX
IC33	8-759-464-48	s	IC CXD8900J
IC34	8-759-464-48	s	IC CXD8900J
IC35	8-759-464-48	s	IC CXD8900J
IC36	8-759-469-98	s	IC CAT93C66K-LE10
IC37	8-759-464-48	s	IC CXD8900J
IC38	8-759-464-46	s	IC CXD8899J
IC39	8-759-386-26	s	IC 74LCX574MTCX
IC40	8-759-464-46	s	IC CXD8899J
IC41	8-759-523-51	s	IC TC74ACT574FT(EL)
IC42	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC43	8-759-505-00	s	IC CXD8052Q
IC46	8-759-466-59	s	IC CGS2535TVX
IC47	8-759-466-59	s	IC CGS2535TVX
IC48	8-759-464-48	s	IC CXD8900J
IC49	8-759-464-48	s	IC CXD8900J
IC50	8-759-464-48	s	IC CXD8900J
IC51	8-759-464-48	s	IC CXD8900J
IC52	8-759-464-48	s	IC CXD8900J
IC53	8-759-464-48	s	IC CXD8900J
IC54	8-759-464-48	s	IC CXD8900J
IC55	8-759-464-48	s	IC CXD8900J
IC56	8-759-464-48	s	IC CXD8900J
IC57	8-759-464-48	s	IC CXD8900J
IC58	8-759-464-48	s	IC CXD8900J
IC59	8-759-464-48	s	IC CXD8900J
IC60	8-759-464-46	s	IC CXD8899J
IC61	8-759-464-46	s	IC CXD8899J
IC62	8-759-464-46	s	IC CXD8899J
IC63	8-759-464-46	s	IC CXD8899J
IC64	8-759-464-46	s	IC CXD8899J
IC65	8-759-464-46	s	IC CXD8899J
IC66	8-759-464-46	s	IC CXD8899J
IC67	8-759-464-46	s	IC CXD8899J
IC68	8-759-464-46	s	IC CXD8899J
IC69	8-759-464-46	s	IC CXD8899J
IC70	8-759-464-46	s	IC CXD8899J
IC71	8-759-464-46	s	IC CXD8899J
IC72	8-759-386-26	s	IC 74LCX574MTCX
IC73	8-759-386-27	s	IC 74LCX04MTCX
IC74	8-759-386-26	s	IC 74LCX574MTCX
IC75	8-759-386-26	s	IC 74LCX574MTCX
IC76	8-759-386-26	s	IC 74LCX574MTCX
IC77	8-759-386-27	s	IC 74LCX04MTCX
IC78	8-759-386-26	s	IC 74LCX574MTCX
IC79	8-759-386-26	s	IC 74LCX574MTCX
IC80	8-759-386-26	s	IC 74LCX574MTCX
IC81	8-759-386-27	s	IC 74LCX04MTCX
IC82	8-759-386-26	s	IC 74LCX574MTCX
IC83	8-759-386-26	s	IC 74LCX574MTCX

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
IC84	8-759-386-26	s	IC 74LCX574MTCX
IC85	8-759-386-27	s	IC 74LCX04MTCX
IC86	8-759-386-26	s	IC 74LCX574MTCX
IC87	8-759-386-26	s	IC 74LCX574MTCX
IC88	8-759-386-26	s	IC 74LCX574MTCX
IC89	8-759-386-27	s	IC 74LCX04MTCX
IC90	8-759-386-26	s	IC 74LCX574MTCX
IC91	8-759-386-26	s	IC 74LCX574MTCX
IC92	8-759-386-26	s	IC 74LCX574MTCX
IC93	8-759-386-27	s	IC 74LCX04MTCX
IC94	8-759-386-26	s	IC 74LCX574MTCX
IC95	8-759-386-26	s	IC 74LCX574MTCX
IC96	8-759-523-49	s	IC TC74ACT541FT(EL)
IC97	8-759-523-49	s	IC TC74ACT541FT(EL)
IC99	8-759-523-49	s	IC TC74ACT541FT(EL)
IC100	8-759-464-48	s	IC CXD8900J
IC101	8-759-464-48	s	IC CXD8900J
IC102	8-759-464-48	s	IC CXD8900J
IC103	8-759-464-48	s	IC CXD8900J
IC104	8-759-464-48	s	IC CXD8900J
IC105	8-759-464-48	s	IC CXD8900J
IC106	8-759-464-48	s	IC CXD8900J
IC107	8-759-464-48	s	IC CXD8900J
IC108	8-759-464-48	s	IC CXD8900J
IC109	8-759-464-48	s	IC CXD8900J
IC110	8-759-464-48	s	IC CXD8900J
IC111	8-759-464-48	s	IC CXD8900J
IC112	8-759-464-46	s	IC CXD8899J
IC113	8-759-464-46	s	IC CXD8899J
IC114	8-759-464-46	s	IC CXD8899J
IC115	8-759-464-46	s	IC CXD8899J
IC116	8-759-464-46	s	IC CXD8899J
IC117	8-759-464-46	s	IC CXD8899J
IC118	8-759-464-46	s	IC CXD8899J
IC119	8-759-464-46	s	IC CXD8899J
IC120	8-759-464-46	s	IC CXD8899J
IC121	8-759-464-46	s	IC CXD8899J
IC122	8-759-464-46	s	IC CXD8899J
IC123	8-759-464-46	s	IC CXD8899J
IC124	8-759-386-26	s	IC 74LCX574MTCX
IC125	8-759-386-27	s	IC 74LCX04MTCX
IC126	8-759-386-26	s	IC 74LCX574MTCX
IC127	8-759-386-26	s	IC 74LCX574MTCX
IC128	8-759-386-26	s	IC 74LCX574MTCX
IC129	8-759-386-27	s	IC 74LCX04MTCX
IC130	8-759-386-26	s	IC 74LCX574MTCX
IC131	8-759-386-26	s	IC 74LCX574MTCX
IC132	8-759-386-26	s	IC 74LCX574MTCX
IC133	8-759-386-27	s	IC 74LCX04MTCX
IC134	8-759-386-26	s	IC 74LCX574MTCX
IC135	8-759-386-26	s	IC 74LCX574MTCX
IC136	8-759-386-26	s	IC 74LCX574MTCX
IC137	8-759-386-27	s	IC 74LCX04MTCX
IC138	8-759-386-26	s	IC 74LCX574MTCX
IC139	8-759-386-26	s	IC 74LCX574MTCX
IC140	8-759-386-26	s	IC 74LCX574MTCX
IC141	8-759-386-27	s	IC 74LCX04MTCX
IC142	8-759-386-26	s	IC 74LCX574MTCX
IC143	8-759-386-26	s	IC 74LCX574MTCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC144	8-759-386-26	s	IC 74LCX574MTCX
IC145	8-759-386-27	s	IC 74LCX04MTCX
IC146	8-759-386-26	s	IC 74LCX574MTCX
IC147	8-759-386-26	s	IC 74LCX574MTCX
IC300	8-759-389-45	s	IC 74LCX16244MTDX
IC301	8-759-389-45	s	IC 74LCX16244MTDX
IC302	8-759-389-45	s	IC 74LCX16244MTDX
IC303	8-759-389-45	s	IC 74LCX16244MTDX
IC305	8-759-389-45	s	IC 74LCX16244MTDX
IC508	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC509	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC510	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC511	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC512	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC513	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC514	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC515	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC521	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC528	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC536	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC538	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC543	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC545	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC553	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC555	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC560	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC562	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC569	8-759-466-63	s	IC CXD8895Q
IC570	8-759-466-63	s	IC CXD8895Q
IC572	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC574	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC579	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC581	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC584	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC585	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC586	8-759-528-49	s	IC EPF10K40RC208-3
IC587	8-759-542-62	s	IC EPC1-SAFEAREA
IC593	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC600	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC607	8-759-466-59	s	IC CGS2535TVX
IC608	8-759-466-59	s	IC CGS2535TVX
IC609	8-759-466-59	s	IC CGS2535TVX
IC610	8-759-466-59	s	IC CGS2535TVX
IC611	8-759-523-51	s	IC TC74ACT574FT(EL)
IC613	8-759-389-48	s	IC 74LCX16374MTDX
IC614	8-759-528-40	s	IC IDT74FCT163CTSO-TL
IC618	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC621	8-759-464-48	s	IC CXD8900J
IC623	8-759-464-48	s	IC CXD8900J
IC624	8-759-386-26	s	IC 74LCX574MTCX
IC626	8-759-464-48	s	IC CXD8900J
IC628	8-759-464-48	s	IC CXD8900J
IC634	8-759-448-56	s	IC TC74AC240F-EL
IC635	8-759-523-49	s	IC TC74ACT541FT(EL)
IC636	8-759-523-49	s	IC TC74ACT541FT(EL)
IC637	8-759-523-49	s	IC TC74ACT541FT(EL)
IC638	8-759-523-49	s	IC TC74ACT541FT(EL)
IC639	8-759-456-26	s	IC 74LCX541MTCX
IC640	8-759-456-26	s	IC 74LCX541MTCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC642	8-759-244-75	s	IC TC74AC541F
IC644	8-759-456-26	s	IC 74LCX541MTCX
IC645	8-759-456-26	s	IC 74LCX541MTCX
IC646	8-759-505-00	s	IC CXD8052Q
IC648	8-759-523-49	s	IC TC74ACT541FT(EL)
IC649	8-759-523-49	s	IC TC74ACT541FT(EL)
IC650	8-759-523-49	s	IC TC74ACT541FT(EL)
IC651	8-759-523-49	s	IC TC74ACT541FT(EL)
IC652	8-759-523-49	s	IC TC74ACT541FT(EL)
IC653	8-759-523-49	s	IC TC74ACT541FT(EL)
IC654	8-759-523-49	s	IC TC74ACT541FT(EL)
IC655	8-759-523-49	s	IC TC74ACT541FT(EL)
IC656	8-759-523-49	s	IC TC74ACT541FT(EL)
IC657	8-759-523-49	s	IC TC74ACT541FT(EL)
IC658	8-759-456-26	s	IC 74LCX541MTCX
IC659	8-759-456-26	s	IC 74LCX541MTCX
IC660	8-759-456-26	s	IC 74LCX541MTCX
IC661	8-759-456-26	s	IC 74LCX541MTCX
IC662	8-759-456-26	s	IC 74LCX541MTCX
IC663	8-759-456-26	s	IC 74LCX541MTCX
IC664	8-759-456-26	s	IC 74LCX541MTCX
IC665	8-759-456-26	s	IC 74LCX541MTCX
IC666	8-759-456-26	s	IC 74LCX541MTCX
IC667	8-759-456-26	s	IC 74LCX541MTCX
IC700	8-759-466-59	s	IC CGS2535TVX
IC701	8-759-466-59	s	IC CGS2535TVX
IC702	8-759-468-08	s	IC 74LVX3L384QSCX
IC703	8-759-468-08	s	IC 74LVX3L384QSCX
IC706	8-759-456-26	s	IC 74LCX541MTCX
IC707	8-759-523-34	s	IC TC74ACT00FT(EL)
IC708	8-759-523-39	s	IC TC74ACT32FT(EL)
IC800	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC3000	8-759-456-26	s	IC 74LCX541MTCX
IC3001	8-759-464-48	s	IC CXD8900J
IC3002	8-759-389-26	s	IC 74LCX08MTCX
IS29	1-251-272-11	o	SOCKET, IC 84P
IS587	1-251-093-11	o	SOCKET, IC 20P
L4	1-469-060-11	s	INDUCTOR 6.1uH
L5	1-469-060-11	s	INDUCTOR 6.1uH
L6	1-469-060-11	s	INDUCTOR 6.1uH
Q1	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
Q2	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
Q3	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
Q4	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
Q5	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
Q6	8-729-045-16	s	TRANSISTOR SI4410DY-T1-REVA
R1	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R2	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R3	1-216-688-11	s	METAL, CHIP 36k 0.5% 1/10W
R4	1-216-686-11	s	METAL, CHIP 30k 0.5% 1/10W
R5	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R6	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R7	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R8	1-219-610-11	s	METAL, CHIP 0.02 1% 1W
R9	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R10	1-218-756-11	s	METAL 150k 0.5% 1/10W
R11	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R12	1-218-756-11	s	METAL 150k 0.5% 1/10W
R13	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R14	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R15	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R16	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R17	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R18	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R25	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R26	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R27	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R28	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R30	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R31	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R39	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R52	1-216-295-91	s	RES, CHIP 0
R53	1-216-295-91	s	RES, CHIP 0
R54	1-216-295-91	s	RES, CHIP 0
R55	1-216-295-91	s	RES, CHIP 0
R56	1-216-295-91	s	RES, CHIP 0
R57	1-216-295-91	s	RES, CHIP 0
R58	1-216-295-91	s	RES, CHIP 0
R59	1-216-295-91	s	RES, CHIP 0
R64	1-216-295-91	s	RES, CHIP 0
R65	1-216-295-91	s	RES, CHIP 0
R66	1-216-295-91	s	RES, CHIP 0
R67	1-216-295-91	s	RES, CHIP 0
R68	1-216-295-91	s	RES, CHIP 0
R69	1-216-295-91	s	RES, CHIP 0
R70	1-216-295-91	s	RES, CHIP 0
R79	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R80	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R81	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R82	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R84	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R93	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R94	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R95	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R96	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R97	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R98	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R99	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R100	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R101	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R506	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R507	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R510	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R511	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R512	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R513	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R514	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R515	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R516	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R517	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R518	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R519	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R520	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R521	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R522	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R523	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R524	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R525	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R564	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R565	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R566	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R567	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R568	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R569	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R570	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R571	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R572	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R573	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R574	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R575	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R576	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R577	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R578	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R595	1-216-295-91	s	RES, CHIP 0
R596	1-216-295-91	s	RES, CHIP 0
R597	1-216-295-91	s	RES, CHIP 0
R598	1-216-295-91	s	RES, CHIP 0
R604	1-216-295-91	s	RES, CHIP 0
R605	1-216-295-91	s	RES, CHIP 0
R606	1-216-295-91	s	RES, CHIP 0
R607	1-216-295-91	s	RES, CHIP 0
R608	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R609	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R610	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R611	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R612	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R613	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R614	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R615	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R616	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R617	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R618	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R619	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R620	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R621	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R622	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R640	1-216-295-91	s	RES, CHIP 0
R641	1-216-295-91	s	RES, CHIP 0
R644	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R645	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R646	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R647	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R648	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R660	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R661	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R662	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R663	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R664	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R665	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R666	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R667	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R668	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R669	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R670	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R671	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R672	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R673	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R674	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R675	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R676	1-216-295-91	s	RES, CHIP 0
R684	1-216-295-91	s	RES, CHIP 0
R685	1-216-295-91	s	RES, CHIP 0
R686	1-216-295-91	s	RES, CHIP 0
R687	1-216-295-91	s	RES, CHIP 0
R688	1-216-295-91	s	RES, CHIP 0
R689	1-216-295-91	s	RES, CHIP 0
R690	1-216-295-91	s	RES, CHIP 0
R692	1-216-295-91	s	RES, CHIP 0
R693	1-216-295-91	s	RES, CHIP 0
R694	1-216-295-91	s	RES, CHIP 0
R695	1-216-295-91	s	RES, CHIP 0
R696	1-216-295-91	s	RES, CHIP 0
R697	1-216-295-91	s	RES, CHIP 0
R698	1-216-295-91	s	RES, CHIP 0
R699	1-216-295-91	s	RES, CHIP 0
R700	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R701	1-216-295-91	s	RES, CHIP 0
R710	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R711	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R712	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R713	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R714	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R715	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R716	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R717	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R726	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R727	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R728	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R729	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R730	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R731	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R732	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R733	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R739	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R740	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R741	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R742	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R743	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R744	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R745	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R746	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R766	1-216-295-91	s	RES, CHIP 0
R770	1-216-295-91	s	RES, CHIP 0
R771	1-216-295-91	s	RES, CHIP 0
R772	1-216-295-91	s	RES, CHIP 0
R773	1-216-295-91	s	RES, CHIP 0
R774	1-216-295-91	s	RES, CHIP 0
R775	1-216-295-91	s	RES, CHIP 0
R776	1-216-295-91	s	RES, CHIP 0
R777	1-216-295-91	s	RES, CHIP 0
R778	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R779	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R780	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R781	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R791	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R792	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R793	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R794	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R795	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R796	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R797	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R798	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R806	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R807	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R2000	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R2002	1-216-295-91	s	RES, CHIP 0
R2003	1-216-295-91	s	RES, CHIP 0
R2004	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R2006	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R2500	1-216-295-91	s	RES, CHIP 0
R2501	1-216-295-91	s	RES, CHIP 0
R2502	1-216-295-91	s	RES, CHIP 0
R2503	1-216-295-91	s	RES, CHIP 0
R2504	1-216-295-91	s	RES, CHIP 0
R2505	1-216-295-91	s	RES, CHIP 0
R2506	1-216-295-91	s	RES, CHIP 0
R2507	1-216-295-91	s	RES, CHIP 0
R2508	1-216-295-91	s	RES, CHIP 0
R2509	1-216-295-91	s	RES, CHIP 0
R2510	1-216-295-91	s	RES, CHIP 0
R2511	1-216-295-91	s	RES, CHIP 0
R2512	1-216-295-91	s	RES, CHIP 0
R2513	1-216-295-91	s	RES, CHIP 0
R2515	1-216-295-91	s	RES, CHIP 0
R2517	1-216-295-91	s	RES, CHIP 0
R2518	1-216-295-91	s	RES, CHIP 0
R2519	1-216-295-91	s	RES, CHIP 0
R2520	1-216-295-91	s	RES, CHIP 0
R2521	1-216-295-91	s	RES, CHIP 0
R2522	1-216-295-91	s	RES, CHIP 0
R2523	1-216-295-91	s	RES, CHIP 0
R2524	1-216-295-91	s	RES, CHIP 0
R2525	1-216-295-91	s	RES, CHIP 0
R2526	1-216-295-91	s	RES, CHIP 0
R3000	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R3001	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R3002	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R3003	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R3101	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R4004	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4005	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4006	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4007	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4008	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4009	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R4010	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R5000	1-216-295-91	s	RES, CHIP 0
R5001	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R5002	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R5003	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R5004	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R5005	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R5010	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R5012	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
RB1	1-233-448-11	s	RES, CHIP NETWORK 22
RB3	1-233-448-11	s	RES, CHIP NETWORK 22
RB6	1-233-448-11	s	RES, CHIP NETWORK 22
RB7	1-233-448-11	s	RES, CHIP NETWORK 22
RB9	1-233-448-11	s	RES, CHIP NETWORK 22
RB12	1-233-448-11	s	RES, CHIP NETWORK 22
RB13	1-233-448-11	s	RES, CHIP NETWORK 22
RB15	1-233-448-11	s	RES, CHIP NETWORK 22
RB18	1-233-448-11	s	RES, CHIP NETWORK 22
RB20	1-233-448-11	s	RES, CHIP NETWORK 22
RB22	1-233-448-11	s	RES, CHIP NETWORK 22
RB25	1-233-448-11	s	RES, CHIP NETWORK 22
RB26	1-233-448-11	s	RES, CHIP NETWORK 22
RB28	1-233-448-11	s	RES, CHIP NETWORK 22
RB31	1-233-448-11	s	RES, CHIP NETWORK 22
RB32	1-233-448-11	s	RES, CHIP NETWORK 22
RB34	1-233-448-11	s	RES, CHIP NETWORK 22
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB49	1-233-448-11	s	RES, CHIP NETWORK 22
RB50	1-233-448-11	s	RES, CHIP NETWORK 22
RB51	1-233-448-11	s	RES, CHIP NETWORK 22
RB52	1-233-448-11	s	RES, CHIP NETWORK 22
RB53	1-233-448-11	s	RES, CHIP NETWORK 22
RB54	1-233-448-11	s	RES, CHIP NETWORK 22
RB55	1-233-448-11	s	RES, CHIP NETWORK 22
RB56	1-233-448-11	s	RES, CHIP NETWORK 22
RB57	1-233-448-11	s	RES, CHIP NETWORK 22
RB58	1-233-448-11	s	RES, CHIP NETWORK 22
RB59	1-233-448-11	s	RES, CHIP NETWORK 22
RB60	1-233-448-11	s	RES, CHIP NETWORK 22
RB61	1-233-448-11	s	RES, CHIP NETWORK 22
RB62	1-233-448-11	s	RES, CHIP NETWORK 22
RB63	1-233-448-11	s	RES, CHIP NETWORK 22
RB64	1-233-448-11	s	RES, CHIP NETWORK 22
RB65	1-233-448-11	s	RES, CHIP NETWORK 22
RB66	1-233-448-11	s	RES, CHIP NETWORK 22
RB67	1-233-448-11	s	RES, CHIP NETWORK 22
RB68	1-233-448-11	s	RES, CHIP NETWORK 22
RB69	1-233-448-11	s	RES, CHIP NETWORK 22
RB70	1-233-448-11	s	RES, CHIP NETWORK 22
RB71	1-233-448-11	s	RES, CHIP NETWORK 22
RB72	1-233-448-11	s	RES, CHIP NETWORK 22
RB73	1-233-448-11	s	RES, CHIP NETWORK 22
RB74	1-233-448-11	s	RES, CHIP NETWORK 22
RB75	1-233-448-11	s	RES, CHIP NETWORK 22
RB76	1-233-448-11	s	RES, CHIP NETWORK 22
RB77	1-233-448-11	s	RES, CHIP NETWORK 22
RB78	1-233-448-11	s	RES, CHIP NETWORK 22
RB79	1-233-448-11	s	RES, CHIP NETWORK 22
RB80	1-233-448-11	s	RES, CHIP NETWORK 22
RB81	1-233-448-11	s	RES, CHIP NETWORK 22
RB82	1-233-448-11	s	RES, CHIP NETWORK 22

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB83	1-233-448-11	s	RES, CHIP NETWORK 22
RB84	1-233-448-11	s	RES, CHIP NETWORK 22
RB85	1-233-448-11	s	RES, CHIP NETWORK 22
RB86	1-233-448-11	s	RES, CHIP NETWORK 22
RB87	1-233-448-11	s	RES, CHIP NETWORK 22
RB88	1-233-448-11	s	RES, CHIP NETWORK 22
RB89	1-233-448-11	s	RES, CHIP NETWORK 22
RB90	1-233-448-11	s	RES, CHIP NETWORK 22
RB91	1-233-448-11	s	RES, CHIP NETWORK 22
RB92	1-233-448-11	s	RES, CHIP NETWORK 22
RB93	1-233-448-11	s	RES, CHIP NETWORK 22
RB94	1-233-448-11	s	RES, CHIP NETWORK 22
RB95	1-233-448-11	s	RES, CHIP NETWORK 22
RB96	1-233-448-11	s	RES, CHIP NETWORK 22
RB97	1-233-448-11	s	RES, CHIP NETWORK 22
RB98	1-233-448-11	s	RES, CHIP NETWORK 22
RB100	1-233-448-11	s	RES, CHIP NETWORK 22
RB103	1-233-448-11	s	RES, CHIP NETWORK 22
RB104	1-233-448-11	s	RES, CHIP NETWORK 22
RB106	1-233-448-11	s	RES, CHIP NETWORK 22
RB109	1-233-448-11	s	RES, CHIP NETWORK 22
RB110	1-233-448-11	s	RES, CHIP NETWORK 22
RB111	1-233-448-11	s	RES, CHIP NETWORK 22
RB112	1-233-448-11	s	RES, CHIP NETWORK 22
RB113	1-233-448-11	s	RES, CHIP NETWORK 22
RB114	1-233-448-11	s	RES, CHIP NETWORK 22
RB115	1-233-448-11	s	RES, CHIP NETWORK 22
RB122	1-233-448-11	s	RES, CHIP NETWORK 22
RB123	1-233-448-11	s	RES, CHIP NETWORK 22
RB124	1-233-448-11	s	RES, CHIP NETWORK 22
RB125	1-233-448-11	s	RES, CHIP NETWORK 22
RB126	1-233-448-11	s	RES, CHIP NETWORK 22
RB127	1-233-448-11	s	RES, CHIP NETWORK 22
RB128	1-233-448-11	s	RES, CHIP NETWORK 22
RB129	1-233-448-11	s	RES, CHIP NETWORK 22
RB130	1-233-448-11	s	RES, CHIP NETWORK 22
RB131	1-233-448-11	s	RES, CHIP NETWORK 22
RB132	1-233-448-11	s	RES, CHIP NETWORK 22
RB133	1-233-448-11	s	RES, CHIP NETWORK 22
RB134	1-233-448-11	s	RES, CHIP NETWORK 22
RB135	1-233-448-11	s	RES, CHIP NETWORK 22
RB136	1-233-448-11	s	RES, CHIP NETWORK 22
RB137	1-233-448-11	s	RES, CHIP NETWORK 22
RB138	1-233-448-11	s	RES, CHIP NETWORK 22
RB139	1-233-448-11	s	RES, CHIP NETWORK 22
RB140	1-233-448-11	s	RES, CHIP NETWORK 22
RB141	1-233-448-11	s	RES, CHIP NETWORK 22
RB142	1-233-448-11	s	RES, CHIP NETWORK 22
RB143	1-233-448-11	s	RES, CHIP NETWORK 22
RB144	1-233-448-11	s	RES, CHIP NETWORK 22
RB145	1-233-448-11	s	RES, CHIP NETWORK 22
RB146	1-233-448-11	s	RES, CHIP NETWORK 22
RB147	1-233-448-11	s	RES, CHIP NETWORK 22
RB148	1-233-448-11	s	RES, CHIP NETWORK 22
RB149	1-233-448-11	s	RES, CHIP NETWORK 22
RB150	1-233-448-11	s	RES, CHIP NETWORK 22
RB151	1-233-448-11	s	RES, CHIP NETWORK 22
RB152	1-233-448-11	s	RES, CHIP NETWORK 22
RB153	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB154	1-233-448-11	s	RES, CHIP NETWORK 22
RB155	1-233-448-11	s	RES, CHIP NETWORK 22
RB156	1-233-448-11	s	RES, CHIP NETWORK 22
RB157	1-233-448-11	s	RES, CHIP NETWORK 22
RB158	1-233-448-11	s	RES, CHIP NETWORK 22
RB159	1-233-448-11	s	RES, CHIP NETWORK 22
RB161	1-233-448-11	s	RES, CHIP NETWORK 22
RB165	1-233-448-11	s	RES, CHIP NETWORK 22
RB166	1-233-448-11	s	RES, CHIP NETWORK 22
RB168	1-233-448-11	s	RES, CHIP NETWORK 22
RB171	1-233-448-11	s	RES, CHIP NETWORK 22
RB172	1-233-448-11	s	RES, CHIP NETWORK 22
RB173	1-233-448-11	s	RES, CHIP NETWORK 22
RB174	1-233-448-11	s	RES, CHIP NETWORK 22
RB175	1-233-448-11	s	RES, CHIP NETWORK 22
RB176	1-233-448-11	s	RES, CHIP NETWORK 22
RB183	1-233-448-11	s	RES, CHIP NETWORK 22
RB184	1-233-448-11	s	RES, CHIP NETWORK 22
RB185	1-233-448-11	s	RES, CHIP NETWORK 22
RB186	1-233-448-11	s	RES, CHIP NETWORK 22
RB187	1-233-448-11	s	RES, CHIP NETWORK 22
RB189	1-233-448-11	s	RES, CHIP NETWORK 22
RB190	1-233-448-11	s	RES, CHIP NETWORK 22
RB191	1-233-448-11	s	RES, CHIP NETWORK 22
RB192	1-233-448-11	s	RES, CHIP NETWORK 22
RB194	1-233-448-11	s	RES, CHIP NETWORK 22
RB195	1-233-448-11	s	RES, CHIP NETWORK 22
RB196	1-233-448-11	s	RES, CHIP NETWORK 22
RB197	1-233-448-11	s	RES, CHIP NETWORK 22
RB198	1-233-448-11	s	RES, CHIP NETWORK 22
RB199	1-233-448-11	s	RES, CHIP NETWORK 22
RB200	1-233-448-11	s	RES, CHIP NETWORK 22
RB201	1-233-448-11	s	RES, CHIP NETWORK 22
RB202	1-233-448-11	s	RES, CHIP NETWORK 22
RB203	1-233-448-11	s	RES, CHIP NETWORK 22
RB204	1-233-448-11	s	RES, CHIP NETWORK 22
RB205	1-233-448-11	s	RES, CHIP NETWORK 22
RB206	1-233-448-11	s	RES, CHIP NETWORK 22
RB207	1-233-448-11	s	RES, CHIP NETWORK 22
RB208	1-233-448-11	s	RES, CHIP NETWORK 22
RB209	1-233-448-11	s	RES, CHIP NETWORK 22
RB210	1-233-448-11	s	RES, CHIP NETWORK 22
RB211	1-233-448-11	s	RES, CHIP NETWORK 22
RB212	1-233-448-11	s	RES, CHIP NETWORK 22
RB213	1-233-448-11	s	RES, CHIP NETWORK 22
RB214	1-233-448-11	s	RES, CHIP NETWORK 22
RB215	1-233-448-11	s	RES, CHIP NETWORK 22
RB216	1-233-448-11	s	RES, CHIP NETWORK 22
RB217	1-233-448-11	s	RES, CHIP NETWORK 22
RB218	1-233-448-11	s	RES, CHIP NETWORK 22
RB222	1-233-448-11	s	RES, CHIP NETWORK 22
RB223	1-233-448-11	s	RES, CHIP NETWORK 22
RB224	1-233-448-11	s	RES, CHIP NETWORK 22
RB400	1-233-448-11	s	RES, CHIP NETWORK 22
RB401	1-233-448-11	s	RES, CHIP NETWORK 22
RB402	1-233-448-11	s	RES, CHIP NETWORK 22
RB403	1-233-448-11	s	RES, CHIP NETWORK 22
RB404	1-233-448-11	s	RES, CHIP NETWORK 22
RB405	1-233-448-11	s	RES, CHIP NETWORK 22

(OUT-7 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB406	1-233-448-11	s	RES, CHIP NETWORK 22
RB407	1-233-448-11	s	RES, CHIP NETWORK 22
RB408	1-233-448-11	s	RES, CHIP NETWORK 22
RB409	1-233-448-11	s	RES, CHIP NETWORK 22
RB410	1-233-448-11	s	RES, CHIP NETWORK 22
RB411	1-233-448-11	s	RES, CHIP NETWORK 22
RB412	1-233-448-11	s	RES, CHIP NETWORK 22
RB413	1-233-448-11	s	RES, CHIP NETWORK 22
RB414	1-233-448-11	s	RES, CHIP NETWORK 22
RB415	1-233-448-11	s	RES, CHIP NETWORK 22
RB420	1-233-448-11	s	RES, CHIP NETWORK 22
RB421	1-233-448-11	s	RES, CHIP NETWORK 22
RB422	1-233-448-11	s	RES, CHIP NETWORK 22
RB423	1-233-448-11	s	RES, CHIP NETWORK 22
RB3000	1-233-938-11	s	RES, CHIP NETWORK 470
RB3001	1-233-938-11	s	RES, CHIP NETWORK 470
RB3002	1-233-938-11	s	RES, CHIP NETWORK 470
RB3003	1-233-938-11	s	RES, CHIP NETWORK 470
RB3004	1-233-938-11	s	RES, CHIP NETWORK 470
RB3005	1-233-938-11	s	RES, CHIP NETWORK 470
RB3006	1-233-938-11	s	RES, CHIP NETWORK 470
RB3007	1-233-938-11	s	RES, CHIP NETWORK 470
RB3008	1-233-938-11	s	RES, CHIP NETWORK 470
RB3009	1-233-938-11	s	RES, CHIP NETWORK 470
RB3010	1-233-938-11	s	RES, CHIP NETWORK 470
RB3011	1-233-938-11	s	RES, CHIP NETWORK 470
RB3012	1-233-938-11	s	RES, CHIP NETWORK 470
RB3013	1-233-938-11	s	RES, CHIP NETWORK 470
RB3014	1-233-938-11	s	RES, CHIP NETWORK 470
RB3015	1-233-938-11	s	RES, CHIP NETWORK 470
RB3016	1-233-938-11	s	RES, CHIP NETWORK 470
RB3017	1-233-938-11	s	RES, CHIP NETWORK 470
RB3018	1-233-938-11	s	RES, CHIP NETWORK 470
RB3019	1-233-938-11	s	RES, CHIP NETWORK 470
RB3020	1-233-938-11	s	RES, CHIP NETWORK 470
RB3021	1-233-938-11	s	RES, CHIP NETWORK 470
RB3022	1-233-938-11	s	RES, CHIP NETWORK 470
RB3023	1-233-938-11	s	RES, CHIP NETWORK 470
RB3024	1-233-938-11	s	RES, CHIP NETWORK 470
RB3025	1-233-938-11	s	RES, CHIP NETWORK 470
RB3026	1-233-938-11	s	RES, CHIP NETWORK 470
RB3027	1-233-938-11	s	RES, CHIP NETWORK 470
RB3028	1-233-938-11	s	RES, CHIP NETWORK 470
RB3029	1-233-938-11	s	RES, CHIP NETWORK 470

RX-35 BOARD

Ref. No. or Q'ty	Part No.	SP	Description

If requiring the RX-35 board, please purchase HK-102(J).

TX-52 BOARD

Ref. No. or Q'ty	Part No.	SP	Description

If requiring the TX-52 board, please purchase HK-101(J).

VSW-33 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-483-A	o	MOUNTED CIRCUIT BOARD, VSW-33
2pcs	3-194-878-01	s	LEVER, PC BOARD
14pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
2pcs	7-626-320-11	s	PIN, SPRING 3x8
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-163-038-91	s	CERAMIC 0.1uF 25V
C26	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C27	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C28	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C29	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C30	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C31	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C32	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C33	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C34	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-117-372-11	s	TANTALUM 100uF 20% 10V
C38	1-117-372-11	s	TANTALUM 100uF 20% 10V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C45	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C46	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C47	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C48	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C49	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C50	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

(VSW-33 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C53	1-163-038-91	s	CERAMIC 0.1uF 25V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-038-91	s	CERAMIC 0.1uF 25V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-038-91	s	CERAMIC 0.1uF 25V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-038-91	s	CERAMIC 0.1uF 25V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C105	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C106	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C107	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C108	1-163-038-91	s	CERAMIC 0.1uF 25V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-038-91	s	CERAMIC 0.1uF 25V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C126	1-163-227-11	s	CERAMIC, CHIP 10pF 5% 50V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-038-91	s	CERAMIC 0.1uF 25V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-038-91	s	CERAMIC 0.1uF 25V
C221	1-163-038-91	s	CERAMIC 0.1uF 25V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-038-91	s	CERAMIC 0.1uF 25V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-038-91	s	CERAMIC 0.1uF 25V
C227	1-163-038-91	s	CERAMIC 0.1uF 25V
C228	1-163-038-91	s	CERAMIC 0.1uF 25V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C230	1-163-038-91	s	CERAMIC 0.1uF 25V
C231	1-163-038-91	s	CERAMIC 0.1uF 25V
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-038-91	s	CERAMIC 0.1uF 25V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C242	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C243	1-163-038-91	s	CERAMIC 0.1uF 25V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-038-91	s	CERAMIC 0.1uF 25V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-038-91	s	CERAMIC 0.1uF 25V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-038-91	s	CERAMIC 0.1uF 25V
C255	1-163-038-91	s	CERAMIC 0.1uF 25V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-038-91	s	CERAMIC 0.1uF 25V
C258	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-038-91	s	CERAMIC 0.1uF 25V
C263	1-163-038-91	s	CERAMIC 0.1uF 25V
C264	1-163-038-91	s	CERAMIC 0.1uF 25V
C265	1-163-038-91	s	CERAMIC 0.1uF 25V
C266	1-163-038-91	s	CERAMIC 0.1uF 25V
C267	1-163-038-91	s	CERAMIC 0.1uF 25V
C268	1-163-038-91	s	CERAMIC 0.1uF 25V
C269	1-163-038-91	s	CERAMIC 0.1uF 25V
C270	1-163-038-91	s	CERAMIC 0.1uF 25V
C271	1-163-038-91	s	CERAMIC 0.1uF 25V
C272	1-163-038-91	s	CERAMIC 0.1uF 25V
C273	1-163-038-91	s	CERAMIC 0.1uF 25V
C274	1-163-038-91	s	CERAMIC 0.1uF 25V
C275	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-038-91	s	CERAMIC 0.1uF 25V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-038-91	s	CERAMIC 0.1uF 25V
C279	1-163-038-91	s	CERAMIC 0.1uF 25V
C280	1-163-038-91	s	CERAMIC 0.1uF 25V
C281	1-163-038-91	s	CERAMIC 0.1uF 25V
C282	1-163-038-91	s	CERAMIC 0.1uF 25V
C283	1-163-038-91	s	CERAMIC 0.1uF 25V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V
C291	1-163-038-91	s	CERAMIC 0.1uF 25V
C292	1-163-038-91	s	CERAMIC 0.1uF 25V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-038-91	s	CERAMIC 0.1uF 25V
C300	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C301	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C302	1-163-038-91	s	CERAMIC 0.1uF 25V
C303	1-163-038-91	s	CERAMIC 0.1uF 25V
C314	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C329	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C330	1-163-038-91	s	CERAMIC 0.1uF 25V
C331	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C332	1-163-038-91	s	CERAMIC 0.1uF 25V
C333	1-163-038-91	s	CERAMIC 0.1uF 25V
C334	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C335	1-163-038-91	s	CERAMIC 0.1uF 25V
C336	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C345	1-117-372-11	s	TANTALUM 100uF 20% 10V
C346	1-117-372-11	s	TANTALUM 100uF 20% 10V
C347	1-117-372-11	s	TANTALUM 100uF 20% 10V
C348	1-117-372-11	s	TANTALUM 100uF 20% 10V
C349	1-163-038-91	s	CERAMIC 0.1uF 25V
C350	1-117-372-11	s	TANTALUM 100uF 20% 10V
C351	1-117-372-11	s	TANTALUM 100uF 20% 10V
C352	1-117-372-11	s	TANTALUM 100uF 20% 10V
C353	1-117-372-11	s	TANTALUM 100uF 20% 10V
C398	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C399	1-163-038-91	s	CERAMIC 0.1uF 25V
C400	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C401	1-163-038-91	s	CERAMIC 0.1uF 25V
C402	1-163-038-91	s	CERAMIC 0.1uF 25V
C403	1-117-372-11	s	TANTALUM 100uF 20% 10V
C404	1-117-372-11	s	TANTALUM 100uF 20% 10V
C405	1-163-038-91	s	CERAMIC 0.1uF 25V
C406	1-163-038-91	s	CERAMIC 0.1uF 25V
C407	1-117-372-11	s	TANTALUM 100uF 20% 10V
C408	1-117-372-11	s	TANTALUM 100uF 20% 10V
C409	1-117-372-11	s	TANTALUM 100uF 20% 10V
C410	1-117-372-11	s	TANTALUM 100uF 20% 10V
C411	1-163-038-91	s	CERAMIC 0.1uF 25V
C412	1-163-038-91	s	CERAMIC 0.1uF 25V
C413	1-163-038-91	s	CERAMIC 0.1uF 25V
C414	1-117-372-11	s	TANTALUM 100uF 20% 10V
C449	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C450	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C451	1-163-038-91	s	CERAMIC 0.1uF 25V
C452	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C453	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C454	1-163-038-91	s	CERAMIC 0.1uF 25V
C455	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C456	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C457	1-163-038-91	s	CERAMIC 0.1uF 25V
C458	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C459	1-163-038-91	s	CERAMIC 0.1uF 25V
C460	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C461	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C462	1-163-038-91	s	CERAMIC 0.1uF 25V
C463	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C464	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C465	1-163-038-91	s	CERAMIC 0.1uF 25V
C466	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C467	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C468	1-163-038-91	s	CERAMIC 0.1uF 25V
C469	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C470	1-163-038-91	s	CERAMIC 0.1uF 25V
C471	1-163-038-91	s	CERAMIC 0.1uF 25V
C472	1-117-372-11	s	TANTALUM 100uF 20% 10V
C473	1-117-372-11	s	TANTALUM 100uF 20% 10V
C474	1-117-372-11	s	TANTALUM 100uF 20% 10V
C475	1-117-372-11	s	TANTALUM 100uF 20% 10V
C476	1-117-372-11	s	TANTALUM 100uF 20% 10V
C477	1-117-372-11	s	TANTALUM 100uF 20% 10V
C478	1-117-372-11	s	TANTALUM 100uF 20% 10V
C525	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C526	1-163-038-91	s	CERAMIC 0.1uF 25V
C561	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C567	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C568	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C583	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C598	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C619	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C620	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C621	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C622	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C623	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C644	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C645	1-163-227-11	s	CERAMIC, CHIP 10pF 5% 50V
C646	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C647	1-163-038-91	s	CERAMIC 0.1uF 25V
C648	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C695	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C696	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C697	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C698	1-163-038-91	s	CERAMIC 0.1uF 25V
C699	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C717	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C718	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C723	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C778	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C800	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C821	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C822	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C863	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C864	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C873	1-117-372-11	s	TANTALUM 100uF 20% 10V
C874	1-117-372-11	s	TANTALUM 100uF 20% 10V
C875	1-117-372-11	s	TANTALUM 100uF 20% 10V
C876	1-117-372-11	s	TANTALUM 100uF 20% 10V
C877	1-117-372-11	s	TANTALUM 100uF 20% 10V
C878	1-117-372-11	s	TANTALUM 100uF 20% 10V
C879	1-117-372-11	s	TANTALUM 100uF 20% 10V
C910	1-117-372-11	s	TANTALUM 100uF 20% 10V
C911	1-117-372-11	s	TANTALUM 100uF 20% 10V
C912	1-117-372-11	s	TANTALUM 100uF 20% 10V
C913	1-117-372-11	s	TANTALUM 100uF 20% 10V

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Ref. No. or Q'ty	Part No.	SP	Description
C914	1-117-372-11	s	TANTALUM 100uF 20% 10V
C924	1-117-372-11	s	TANTALUM 100uF 20% 10V
C942	1-163-038-91	s	CERAMIC 0.1uF 25V
C943	1-163-038-91	s	CERAMIC 0.1uF 25V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
D1	8-719-029-30	s	DIODE BAS16-215
D2	8-719-029-30	s	DIODE BAS16-215
D3	8-719-029-30	s	DIODE BAS16-215
D4	8-719-029-30	s	DIODE BAS16-215
D5	8-719-029-30	s	DIODE BAS16-215
D6	8-719-029-30	s	DIODE BAS16-215
D7	8-719-029-30	s	DIODE BAS16-215
D8	8-719-029-30	s	DIODE BAS16-215
D9	8-719-029-30	s	DIODE BAS16-215
D10	8-719-029-30	s	DIODE BAS16-215
D11	8-719-029-30	s	DIODE BAS16-215
D12	8-719-029-30	s	DIODE BAS16-215
D13	8-719-029-30	s	DIODE BAS16-215
D14	8-719-029-30	s	DIODE BAS16-215
D15	8-719-029-30	s	DIODE BAS16-215
D16	8-719-029-30	s	DIODE BAS16-215
D17	8-719-029-30	s	DIODE BAS16-215
D18	8-719-029-30	s	DIODE BAS16-215
D19	8-719-029-30	s	DIODE BAS16-215
D20	8-719-029-30	s	DIODE BAS16-215
D21	8-719-029-30	s	DIODE BAS16-215
D22	8-719-029-30	s	DIODE BAS16-215
D23	8-719-029-30	s	DIODE BAS16-215
D24	8-719-029-30	s	DIODE BAS16-215
D25	8-719-029-30	s	DIODE BAS16-215
D26	8-719-029-30	s	DIODE BAS16-215
D27	8-719-029-30	s	DIODE BAS16-215
D28	8-719-029-30	s	DIODE BAS16-215
D29	8-719-029-30	s	DIODE BAS16-215
D30	8-719-029-30	s	DIODE BAS16-215
D31	8-719-029-30	s	DIODE BAS16-215
D32	8-719-029-30	s	DIODE BAS16-215
D33	8-719-029-30	s	DIODE BAS16-215
D34	8-719-029-30	s	DIODE BAS16-215
D35	8-719-029-30	s	DIODE BAS16-215
D36	8-719-029-30	s	DIODE BAS16-215
D37	8-719-029-30	s	DIODE BAS16-215
D38	8-719-029-30	s	DIODE BAS16-215
D39	8-719-975-84	s	DIODE AY1101W-88
D40	8-719-975-84	s	DIODE AY1101W-88
D41	8-719-029-30	s	DIODE BAS16-215
D42	8-719-029-30	s	DIODE BAS16-215
D43	8-719-029-30	s	DIODE BAS16-215
D44	8-719-029-30	s	DIODE BAS16-215
D45	8-719-029-30	s	DIODE BAS16-215
D46	8-719-029-30	s	DIODE BAS16-215
D47	8-719-029-30	s	DIODE BAS16-215
D48	8-719-029-30	s	DIODE BAS16-215
D49	8-719-029-30	s	DIODE BAS16-215
D50	8-719-029-30	s	DIODE BAS16-215
D51	8-719-029-30	s	DIODE BAS16-215
D52	8-719-029-30	s	DIODE BAS16-215

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Ref. No. or Q'ty	Part No.	SP	Description
D53	8-719-029-30	s	DIODE BAS16-215
D54	8-719-029-30	s	DIODE BAS16-215
D55	8-719-029-30	s	DIODE BAS16-215
D56	8-719-029-30	s	DIODE BAS16-215
D57	8-719-029-30	s	DIODE BAS16-215
D58	8-719-029-30	s	DIODE BAS16-215
D59	8-719-029-30	s	DIODE BAS16-215
D60	8-719-029-30	s	DIODE BAS16-215
D61	8-719-029-30	s	DIODE BAS16-215
D62	8-719-029-30	s	DIODE BAS16-215
D63	8-719-029-30	s	DIODE BAS16-215
D64	8-719-029-30	s	DIODE BAS16-215
D65	8-719-029-30	s	DIODE BAS16-215
D66	8-719-029-30	s	DIODE BAS16-215
D67	8-719-029-30	s	DIODE BAS16-215
D68	8-719-029-30	s	DIODE BAS16-215
D69	8-719-029-30	s	DIODE BAS16-215
D70	8-719-029-30	s	DIODE BAS16-215
D71	8-719-029-30	s	DIODE BAS16-215
D72	8-719-029-30	s	DIODE BAS16-215
D73	8-719-029-30	s	DIODE BAS16-215
D74	8-719-029-30	s	DIODE BAS16-215
D75	8-719-029-30	s	DIODE BAS16-215
D76	8-719-029-30	s	DIODE BAS16-215
D77	8-719-029-30	s	DIODE BAS16-215
D78	8-719-029-30	s	DIODE BAS16-215
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-465-49	s	IC MC10ELT21DR2
IC3	8-759-523-49	s	IC TC74ACT541FT(EL)
IC4	8-759-464-48	s	IC CXD8900J
IC5	8-759-464-48	s	IC CXD8900J
IC6	8-759-464-48	s	IC CXD8900J
IC7	8-759-464-48	s	IC CXD8900J
IC8	8-759-464-48	s	IC CXD8900J
IC9	8-759-464-48	s	IC CXD8900J
IC10	8-759-464-48	s	IC CXD8900J
IC11	8-759-464-48	s	IC CXD8900J
IC12	8-759-464-48	s	IC CXD8900J
IC13	8-759-464-48	s	IC CXD8900J
IC14	8-759-464-48	s	IC CXD8900J
IC15	8-759-464-48	s	IC CXD8900J
IC16	8-759-464-48	s	IC CXD8900J
IC17	8-759-464-48	s	IC CXD8900J
IC18	8-759-464-48	s	IC CXD8900J
IC19	8-759-464-48	s	IC CXD8900J
IC20	8-759-464-48	s	IC CXD8900J
IC21	8-759-466-21	s	IC S4405B-80
IC22	8-759-456-26	s	IC 74LCX541MTCX
IC23	8-759-464-48	s	IC CXD8900J
IC24	8-759-464-48	s	IC CXD8900J
IC25	8-759-464-48	s	IC CXD8900J
IC26	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC27	8-759-464-48	s	IC CXD8900J
IC28	8-759-464-48	s	IC CXD8900J
IC29	8-759-464-48	s	IC CXD8900J
IC30	8-759-464-48	s	IC CXD8900J
IC31	8-759-464-48	s	IC CXD8900J
IC32	8-759-464-48	s	IC CXD8900J
IC33	8-759-464-48	s	IC CXD8900J
IC34	8-759-464-48	s	IC CXD8900J
IC35	8-759-464-48	s	IC CXD8900J
IC36	8-759-464-48	s	IC CXD8900J
IC37	8-759-464-48	s	IC CXD8900J
IC38	8-759-464-48	s	IC CXD8900J
IC39	8-759-464-48	s	IC CXD8900J
IC40	8-759-456-26	s	IC 74LCX541MTCX
IC41	8-759-464-48	s	IC CXD8900J
IC42	8-759-464-48	s	IC CXD8900J
IC43	8-759-464-48	s	IC CXD8900J
IC44	8-759-464-48	s	IC CXD8900J
IC45	8-759-464-48	s	IC CXD8900J
IC46	8-759-464-48	s	IC CXD8900J
IC47	8-759-464-48	s	IC CXD8900J
IC48	8-759-464-48	s	IC CXD8900J
IC49	8-759-464-48	s	IC CXD8900J
IC50	8-759-389-48	s	IC 74LCX16374MTDX
IC51	8-759-466-59	s	IC CGS2535TVX
IC52	8-759-464-48	s	IC CXD8900J
IC53	8-759-464-48	s	IC CXD8900J
IC54	8-759-464-48	s	IC CXD8900J
IC55	8-759-464-48	s	IC CXD8900J
IC56	8-759-464-48	s	IC CXD8900J
IC57	8-759-464-48	s	IC CXD8900J
IC58	8-759-464-48	s	IC CXD8900J
IC59	8-759-464-48	s	IC CXD8900J
IC60	8-759-271-78	s	IC DS26C32ATM
IC61	8-759-456-26	s	IC 74LCX541MTCX
IC62	8-759-464-48	s	IC CXD8900J
IC63	8-759-464-48	s	IC CXD8900J
IC64	8-759-464-48	s	IC CXD8900J
IC65	8-759-464-48	s	IC CXD8900J
IC66	8-759-464-48	s	IC CXD8900J
IC67	8-759-464-48	s	IC CXD8900J
IC68	8-759-464-48	s	IC CXD8900J
IC69	8-759-464-48	s	IC CXD8900J
IC70	8-759-464-48	s	IC CXD8900J
IC71	8-759-464-48	s	IC CXD8900J
IC72	8-759-389-48	s	IC 74LCX16374MTDX
IC73	8-759-466-59	s	IC CGS2535TVX
IC74	8-759-464-48	s	IC CXD8900J
IC75	8-759-464-48	s	IC CXD8900J
IC76	8-759-464-48	s	IC CXD8900J
IC77	8-759-464-48	s	IC CXD8900J
IC78	8-759-464-48	s	IC CXD8900J
IC79	8-759-464-48	s	IC CXD8900J
IC80	8-759-464-48	s	IC CXD8900J
IC81	8-759-464-48	s	IC CXD8900J
IC82	8-759-464-48	s	IC CXD8900J
IC83	8-759-464-48	s	IC CXD8900J
IC84	8-759-464-48	s	IC CXD8900J
IC85	8-759-464-48	s	IC CXD8900J

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Ref. No. or Q'ty	Part No.	SP	Description
IC86	8-759-464-48	s	IC CXD8900J
IC87	8-759-464-48	s	IC CXD8900J
IC88	8-759-464-48	s	IC CXD8900J
IC89	8-759-464-48	s	IC CXD8900J
IC90	8-759-464-48	s	IC CXD8900J
IC91	8-759-464-48	s	IC CXD8900J
IC92	8-759-464-48	s	IC CXD8900J
IC93	8-759-464-48	s	IC CXD8900J
IC94	8-759-464-48	s	IC CXD8900J
IC95	8-759-464-48	s	IC CXD8900J
IC96	8-759-464-48	s	IC CXD8900J
IC97	8-759-464-48	s	IC CXD8900J
IC98	8-759-505-00	s	IC CXD8052Q
IC99	8-759-389-26	s	IC 74LCX08MTCX
IC100	8-759-469-98	s	IC CAT93C66K-LE10
IC102	8-759-271-82	s	IC DS3695ATM
IC103	8-759-505-00	s	IC CXD8052Q
IC104	8-759-456-26	s	IC 74LCX541MTCX
IC105	8-759-456-26	s	IC 74LCX541MTCX
IC106	8-759-523-49	s	IC TC74ACT541FT(EL)
IC107	8-759-464-47	s	IC CXD8893J
IC108	8-759-464-47	s	IC CXD8893J
IC109	8-759-464-47	s	IC CXD8893J
IC110	8-759-464-47	s	IC CXD8893J
IC111	8-759-464-47	s	IC CXD8893J
IC112	8-759-464-47	s	IC CXD8893J
IC113	8-759-464-47	s	IC CXD8893J
IC114	8-759-524-50	s	IC TC74VHC541FT(EL)
IC115	8-759-524-50	s	IC TC74VHC541FT(EL)
IC116	8-759-456-26	s	IC 74LCX541MTCX
IC117	8-759-464-47	s	IC CXD8893J
IC118	8-759-464-47	s	IC CXD8893J
IC119	8-759-464-47	s	IC CXD8893J
IC120	8-759-464-47	s	IC CXD8893J
IC121	8-759-464-47	s	IC CXD8893J
IC122	8-759-464-47	s	IC CXD8893J
IC123	8-759-464-47	s	IC CXD8893J
IC124	8-759-464-48	s	IC CXD8900J
IC127	8-759-464-48	s	IC CXD8900J
IC128	8-759-464-48	s	IC CXD8900J
IC130	8-759-464-47	s	IC CXD8893J
IC131	8-759-464-47	s	IC CXD8893J
IC132	8-759-464-47	s	IC CXD8893J
IC133	8-759-464-47	s	IC CXD8893J
IC134	8-759-464-47	s	IC CXD8893J
IC135	8-759-464-47	s	IC CXD8893J
IC136	8-759-464-47	s	IC CXD8893J
IC141	8-759-466-63	s	IC CXD8895Q
IC143	8-759-464-47	s	IC CXD8893J
IC144	8-759-464-47	s	IC CXD8893J
IC145	8-759-464-47	s	IC CXD8893J
IC146	8-759-464-47	s	IC CXD8893J
IC147	8-759-464-47	s	IC CXD8893J
IC148	8-759-464-47	s	IC CXD8893J
IC149	8-759-464-47	s	IC CXD8893J
IC152	8-759-527-57	s	IC SN74ABT16823DGGR
IC153	8-759-389-48	s	IC 74LCX16374MTDX
IC158	8-759-464-47	s	IC CXD8893J
IC159	8-759-464-47	s	IC CXD8893J

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Ref. No. or Q'ty	Part No.	SP	Description
IC160	8-759-464-47	s	IC CXD8893J
IC161	8-759-464-47	s	IC CXD8893J
IC162	8-759-464-47	s	IC CXD8893J
IC163	8-759-464-47	s	IC CXD8893J
IC164	8-759-464-47	s	IC CXD8893J
IC166	8-759-439-44	s	IC CXD9024Q
IC200	8-759-389-48	s	IC 74LCX16374MTDX
IC201	8-759-386-26	s	IC 74LCX574MTCX
IC202	8-759-468-08	s	IC 74LVX3L384QSCX
IC203	8-759-468-08	s	IC 74LVX3L384QSCX
IC204	8-759-468-08	s	IC 74LVX3L384QSCX
IC205	8-759-468-08	s	IC 74LVX3L384QSCX
IC206	8-759-468-08	s	IC 74LVX3L384QSCX
IC207	8-759-468-08	s	IC 74LVX3L384QSCX
IC208	8-759-468-08	s	IC 74LVX3L384QSCX
IC209	8-759-468-08	s	IC 74LVX3L384QSCX
IC210	8-759-468-08	s	IC 74LVX3L384QSCX
IC211	8-759-468-08	s	IC 74LVX3L384QSCX
IC212	8-759-468-08	s	IC 74LVX3L384QSCX
IC213	8-759-468-08	s	IC 74LVX3L384QSCX
IC214	8-759-468-08	s	IC 74LVX3L384QSCX
IC215	8-759-468-08	s	IC 74LVX3L384QSCX
IC216	8-759-468-08	s	IC 74LVX3L384QSCX
IC217	8-759-468-08	s	IC 74LVX3L384QSCX
IC218	8-759-468-08	s	IC 74LVX3L384QSCX
IC219	8-759-468-08	s	IC 74LVX3L384QSCX
IC220	8-759-468-08	s	IC 74LVX3L384QSCX
IC221	8-759-468-08	s	IC 74LVX3L384QSCX
IC222	8-759-468-08	s	IC 74LVX3L384QSCX
IC223	8-759-468-08	s	IC 74LVX3L384QSCX
IC224	8-759-468-08	s	IC 74LVX3L384QSCX
IC225	8-759-468-08	s	IC 74LVX3L384QSCX
IC226	8-759-468-08	s	IC 74LVX3L384QSCX
IC227	8-759-468-08	s	IC 74LVX3L384QSCX
IC228	8-759-468-08	s	IC 74LVX3L384QSCX
IC229	8-759-468-08	s	IC 74LVX3L384QSCX
IC230	8-759-468-08	s	IC 74LVX3L384QSCX
IC231	8-759-468-08	s	IC 74LVX3L384QSCX
IC232	8-759-468-08	s	IC 74LVX3L384QSCX
IC233	8-759-468-08	s	IC 74LVX3L384QSCX
IC234	8-759-468-08	s	IC 74LVX3L384QSCX
IC235	8-759-468-08	s	IC 74LVX3L384QSCX
IC236	8-759-468-08	s	IC 74LVX3L384QSCX
IC237	8-759-468-08	s	IC 74LVX3L384QSCX
IC238	8-759-468-08	s	IC 74LVX3L384QSCX
IC239	8-759-468-08	s	IC 74LVX3L384QSCX
IC240	8-759-468-08	s	IC 74LVX3L384QSCX
IC241	8-759-468-08	s	IC 74LVX3L384QSCX
IC242	8-759-468-08	s	IC 74LVX3L384QSCX
IC243	8-759-468-08	s	IC 74LVX3L384QSCX
IC244	8-759-468-08	s	IC 74LVX3L384QSCX
IC245	8-759-468-08	s	IC 74LVX3L384QSCX
IC246	8-759-468-08	s	IC 74LVX3L384QSCX
IC247	8-759-468-08	s	IC 74LVX3L384QSCX
IC248	8-759-468-08	s	IC 74LVX3L384QSCX
IC249	8-759-468-08	s	IC 74LVX3L384QSCX
IC250	8-759-468-08	s	IC 74LVX3L384QSCX
IC251	8-759-468-08	s	IC 74LVX3L384QSCX
IC252	8-759-468-08	s	IC 74LVX3L384QSCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC253	8-759-468-08	s	IC 74LVX3L384QSCX
IC254	8-759-468-08	s	IC 74LVX3L384QSCX
IC255	8-759-468-08	s	IC 74LVX3L384QSCX
IC256	8-759-468-08	s	IC 74LVX3L384QSCX
IC257	8-759-468-08	s	IC 74LVX3L384QSCX
IC258	8-759-468-08	s	IC 74LVX3L384QSCX
IC259	8-759-468-08	s	IC 74LVX3L384QSCX
IC260	8-759-468-08	s	IC 74LVX3L384QSCX
IC261	8-759-468-08	s	IC 74LVX3L384QSCX
IC262	8-759-468-08	s	IC 74LVX3L384QSCX
IC263	8-759-468-08	s	IC 74LVX3L384QSCX
IC264	8-759-468-08	s	IC 74LVX3L384QSCX
IC265	8-759-468-08	s	IC 74LVX3L384QSCX
IC266	8-759-468-08	s	IC 74LVX3L384QSCX
IC267	8-759-468-08	s	IC 74LVX3L384QSCX
IC268	8-759-468-08	s	IC 74LVX3L384QSCX
IC269	8-759-468-08	s	IC 74LVX3L384QSCX
IC270	8-759-468-08	s	IC 74LVX3L384QSCX
IC271	8-759-468-08	s	IC 74LVX3L384QSCX
IC272	8-759-468-08	s	IC 74LVX3L384QSCX
IC273	8-759-523-36	s	IC TC74ACT04FT(EL)
IC274	8-759-523-36	s	IC TC74ACT04FT(EL)
IC275	8-759-523-36	s	IC TC74ACT04FT(EL)
IC276	8-759-523-36	s	IC TC74ACT04FT(EL)
IC277	8-759-468-08	s	IC 74LVX3L384QSCX
IC278	8-759-468-08	s	IC 74LVX3L384QSCX
IC279	8-759-468-08	s	IC 74LVX3L384QSCX
IC280	8-759-468-08	s	IC 74LVX3L384QSCX
IC281	8-759-468-08	s	IC 74LVX3L384QSCX
IC282	8-759-523-36	s	IC TC74ACT04FT(EL)
IC283	8-759-523-36	s	IC TC74ACT04FT(EL)
IC284	8-759-523-36	s	IC TC74ACT04FT(EL)
IC285	8-759-523-49	s	IC TC74ACT541FT(EL)
IC286	8-759-505-06	s	IC CXD8058Q
IC287	8-759-505-06	s	IC CXD8058Q
IC288	8-759-523-49	s	IC TC74ACT541FT(EL)
IC289	8-759-389-45	s	IC 74LCX16244MTDX
IC290	8-759-505-00	s	IC CXD8052Q
IC291	8-759-389-45	s	IC 74LCX16244MTDX
IC292	8-759-389-45	s	IC 74LCX16244MTDX
IC293	8-759-389-45	s	IC 74LCX16244MTDX
IC294	8-759-389-45	s	IC 74LCX16244MTDX
IC295	8-759-389-45	s	IC 74LCX16244MTDX
IC296	8-759-456-26	s	IC 74LCX541MTCX
IC297	8-759-523-49	s	IC TC74ACT541FT(EL)
IC298	8-759-456-26	s	IC 74LCX541MTCX
IC299	8-759-456-26	s	IC 74LCX541MTCX
IC300	8-759-456-26	s	IC 74LCX541MTCX
IC301	8-759-456-26	s	IC 74LCX541MTCX
IC302	8-759-456-26	s	IC 74LCX541MTCX
IC303	8-759-456-26	s	IC 74LCX541MTCX
IC304	8-759-456-26	s	IC 74LCX541MTCX
IC305	8-759-523-49	s	IC TC74ACT541FT(EL)
IC306	8-759-523-51	s	IC TC74ACT574FT(EL)
IC307	8-759-523-49	s	IC TC74ACT541FT(EL)
IC308	8-759-523-49	s	IC TC74ACT541FT(EL)
IC309	8-759-468-08	s	IC 74LVX3L384QSCX
IC310	8-759-466-59	s	IC CGS2535TVX
IC311	8-759-468-08	s	IC 74LVX3L384QSCX

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Ref. No. or Q'ty	Part No.	SP	Description
IC312	8-759-466-59	s	IC CGS2535TVX
IC314	8-759-466-59	s	IC CGS2535TVX
IC315	8-759-466-59	s	IC CGS2535TVX
IC316	8-759-523-49	s	IC TC74ACT541FT(EL)
R1	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R2	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R3	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R4	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R5	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R6	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R7	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R9	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R10	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R11	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R12	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R13	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R15	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R16	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R17	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R18	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R33	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R35	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R36	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R37	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R38	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R39	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R40	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R41	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R42	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R43	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R44	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R45	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R46	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R47	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R48	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R49	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R50	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R51	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R52	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R53	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R62	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R63	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R64	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R65	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R66	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R67	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R68	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R69	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R70	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R71	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R72	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R73	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R75	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R76	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R77	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R78	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R79	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R80	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R81	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R82	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R83	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R84	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R85	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R86	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R87	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R88	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R89	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R90	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R91	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R93	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R94	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R95	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R96	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R97	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R98	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R99	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R100	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R101	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R102	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R103	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R104	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R105	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R106	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R107	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R108	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R109	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R110	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R111	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R112	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R113	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R114	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R115	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R116	1-216-655-91	s	METAL 1.5k 0.5% 1/10W
R117	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R118	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R119	1-216-295-91	s	RES, CHIP 0
R120	1-216-295-91	s	RES, CHIP 0
R121	1-216-295-91	s	RES, CHIP 0
R122	1-216-295-91	s	RES, CHIP 0
R123	1-216-295-91	s	RES, CHIP 0
R124	1-216-295-91	s	RES, CHIP 0
R125	1-216-295-91	s	RES, CHIP 0
R126	1-216-295-91	s	RES, CHIP 0
R128	1-216-295-91	s	RES, CHIP 0
R129	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R130	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R131	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R133	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R135	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R137	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R139	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R141	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R143	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R145	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R146	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R149	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R150	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R153	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R154	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R156	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R159	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R160	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R163	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R164	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R167	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R168	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R171	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R172	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R176	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R177	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R179	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R180	1-216-295-91	s	RES, CHIP 0
R181	1-216-295-91	s	RES, CHIP 0
R182	1-216-295-91	s	RES, CHIP 0
R183	1-216-295-91	s	RES, CHIP 0
R184	1-216-295-91	s	RES, CHIP 0
R185	1-216-295-91	s	RES, CHIP 0
R187	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R188	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R189	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R190	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R191	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R192	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R194	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R195	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R196	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R197	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R198	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R199	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R200	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R201	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R202	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R203	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R205	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R207	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R216	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R217	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R218	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R219	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R220	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R221	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R222	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R223	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R224	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R225	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R226	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R227	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R228	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R229	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R230	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R231	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R234	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R239	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R240	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R241	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R242	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R245	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R246	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R252	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R253	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R255	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R256	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R257	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R258	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R259	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R260	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R262	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R264	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R265	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R266	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R267	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R268	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R269	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R270	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R271	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R272	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R273	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R274	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R275	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R280	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R285	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R286	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R289	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R290	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R291	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R292	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R293	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R294	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R295	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R296	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R297	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R298	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R299	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R300	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R301	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R302	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R303	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R304	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R305	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R306	1-216-659-11	s	METAL, CHIP 2.2k 0.5% 1/10W
R307	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R309	1-216-295-91	s	RES, CHIP 0
R310	1-216-295-91	s	RES, CHIP 0
R312	1-216-295-91	s	RES, CHIP 0
R314	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R315	1-216-295-91	s	RES, CHIP 0
R316	1-216-295-91	s	RES, CHIP 0
R318	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R319	1-216-295-91	s	RES, CHIP 0
R320	1-216-295-91	s	RES, CHIP 0
R323	1-216-295-91	s	RES, CHIP 0
R324	1-216-295-91	s	RES, CHIP 0
R325	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R326	1-216-295-91	s	RES, CHIP 0
R327	1-216-295-91	s	RES, CHIP 0
R330	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R331	1-216-295-91	s	RES, CHIP 0
R333	1-216-295-91	s	RES, CHIP 0
R334	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R335	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R345	1-216-623-11	s	METAL, CHIP 68 0.5% 1/10W
R346	1-216-623-11	s	METAL, CHIP 68 0.5% 1/10W
R347	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R348	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
R349	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R353	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R354	1-216-638-11	s	METAL, CHIP 300 0.5% 1/10W
RB1	1-234-078-11	s	RES, CHIP NETWORK 47
RB2	1-234-078-11	s	RES, CHIP NETWORK 47
RB3	1-234-078-11	s	RES, CHIP NETWORK 47
RB4	1-234-078-11	s	RES, CHIP NETWORK 47
RB5	1-234-078-11	s	RES, CHIP NETWORK 47
RB6	1-234-078-11	s	RES, CHIP NETWORK 47
RB7	1-234-078-11	s	RES, CHIP NETWORK 47
RB8	1-234-078-11	s	RES, CHIP NETWORK 47
RB9	1-234-078-11	s	RES, CHIP NETWORK 47
RB10	1-234-078-11	s	RES, CHIP NETWORK 47
RB11	1-234-078-11	s	RES, CHIP NETWORK 47
RB12	1-234-078-11	s	RES, CHIP NETWORK 47
RB13	1-234-078-11	s	RES, CHIP NETWORK 47
RB14	1-234-078-11	s	RES, CHIP NETWORK 47
RB15	1-234-078-11	s	RES, CHIP NETWORK 47
RB16	1-234-078-11	s	RES, CHIP NETWORK 47
RB17	1-234-078-11	s	RES, CHIP NETWORK 47
RB18	1-234-078-11	s	RES, CHIP NETWORK 47
RB19	1-234-078-11	s	RES, CHIP NETWORK 47
RB20	1-234-078-11	s	RES, CHIP NETWORK 47
RB21	1-234-078-11	s	RES, CHIP NETWORK 47
RB22	1-233-448-11	s	RES, CHIP NETWORK 22
RB23	1-233-448-11	s	RES, CHIP NETWORK 22
RB24	1-233-448-11	s	RES, CHIP NETWORK 22
RB25	1-233-448-11	s	RES, CHIP NETWORK 22
RB26	1-233-448-11	s	RES, CHIP NETWORK 22
RB27	1-233-448-11	s	RES, CHIP NETWORK 22
RB28	1-233-448-11	s	RES, CHIP NETWORK 22
RB29	1-233-448-11	s	RES, CHIP NETWORK 22
RB30	1-233-448-11	s	RES, CHIP NETWORK 22
RB31	1-233-448-11	s	RES, CHIP NETWORK 22
RB32	1-233-448-11	s	RES, CHIP NETWORK 22
RB33	1-233-448-11	s	RES, CHIP NETWORK 22
RB34	1-233-448-11	s	RES, CHIP NETWORK 22
RB35	1-233-448-11	s	RES, CHIP NETWORK 22
RB36	1-233-448-11	s	RES, CHIP NETWORK 22
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB39	1-233-448-11	s	RES, CHIP NETWORK 22
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB41	1-233-448-11	s	RES, CHIP NETWORK 22
RB42	1-233-448-11	s	RES, CHIP NETWORK 22
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB45	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB47	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB48	1-233-448-11	s	RES, CHIP NETWORK 22
RB49	1-233-448-11	s	RES, CHIP NETWORK 22
RB50	1-233-448-11	s	RES, CHIP NETWORK 22
RB51	1-233-448-11	s	RES, CHIP NETWORK 22
RB52	1-234-078-11	s	RES, CHIP NETWORK 47
RB53	1-234-078-11	s	RES, CHIP NETWORK 47
RB54	1-234-078-11	s	RES, CHIP NETWORK 47
RB55	1-234-078-11	s	RES, CHIP NETWORK 47
RB56	1-234-078-11	s	RES, CHIP NETWORK 47
RB57	1-234-078-11	s	RES, CHIP NETWORK 47
RB58	1-234-078-11	s	RES, CHIP NETWORK 47
RB59	1-234-078-11	s	RES, CHIP NETWORK 47
RB60	1-234-078-11	s	RES, CHIP NETWORK 47
RB61	1-234-078-11	s	RES, CHIP NETWORK 47
RB62	1-234-078-11	s	RES, CHIP NETWORK 47
RB63	1-234-078-11	s	RES, CHIP NETWORK 47
RB64	1-234-078-11	s	RES, CHIP NETWORK 47
RB65	1-234-078-11	s	RES, CHIP NETWORK 47
RB66	1-234-078-11	s	RES, CHIP NETWORK 47
RB67	1-234-078-11	s	RES, CHIP NETWORK 47
RB68	1-234-078-11	s	RES, CHIP NETWORK 47
RB69	1-234-078-11	s	RES, CHIP NETWORK 47
RB70	1-234-078-11	s	RES, CHIP NETWORK 47
RB71	1-234-078-11	s	RES, CHIP NETWORK 47
RB72	1-234-078-11	s	RES, CHIP NETWORK 47
RB73	1-234-078-11	s	RES, CHIP NETWORK 47
RB74	1-234-078-11	s	RES, CHIP NETWORK 47
RB75	1-234-078-11	s	RES, CHIP NETWORK 47
RB76	1-233-448-11	s	RES, CHIP NETWORK 22
RB77	1-233-448-11	s	RES, CHIP NETWORK 22
RB78	1-233-448-11	s	RES, CHIP NETWORK 22
RB79	1-233-448-11	s	RES, CHIP NETWORK 22
RB80	1-233-448-11	s	RES, CHIP NETWORK 22
RB81	1-233-448-11	s	RES, CHIP NETWORK 22
RB82	1-233-448-11	s	RES, CHIP NETWORK 22
RB83	1-233-448-11	s	RES, CHIP NETWORK 22
RB88	1-233-448-11	s	RES, CHIP NETWORK 22
RB89	1-233-448-11	s	RES, CHIP NETWORK 22
RB90	1-233-448-11	s	RES, CHIP NETWORK 22
RB91	1-233-448-11	s	RES, CHIP NETWORK 22
RB92	1-233-448-11	s	RES, CHIP NETWORK 22
RB93	1-233-448-11	s	RES, CHIP NETWORK 22
RB94	1-233-448-11	s	RES, CHIP NETWORK 22
RB95	1-233-448-11	s	RES, CHIP NETWORK 22
RB96	1-233-448-11	s	RES, CHIP NETWORK 22
RB97	1-233-448-11	s	RES, CHIP NETWORK 22
RB98	1-233-448-11	s	RES, CHIP NETWORK 22
RB99	1-233-448-11	s	RES, CHIP NETWORK 22
RB100	1-233-448-11	s	RES, CHIP NETWORK 22
RB101	1-233-448-11	s	RES, CHIP NETWORK 22
RB102	1-233-448-11	s	RES, CHIP NETWORK 22
RB103	1-234-078-11	s	RES, CHIP NETWORK 47
RB104	1-234-078-11	s	RES, CHIP NETWORK 47
RB105	1-234-078-11	s	RES, CHIP NETWORK 47
RB106	1-234-078-11	s	RES, CHIP NETWORK 47
RB107	1-234-078-11	s	RES, CHIP NETWORK 47
RB108	1-234-078-11	s	RES, CHIP NETWORK 47
RB109	1-234-078-11	s	RES, CHIP NETWORK 47
RB110	1-234-078-11	s	RES, CHIP NETWORK 47

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Ref. No. or Q'ty	Part No.	SP	Description
RB111	1-234-078-11	s	RES, CHIP NETWORK 47
RB112	1-234-078-11	s	RES, CHIP NETWORK 47
RB113	1-234-078-11	s	RES, CHIP NETWORK 47
RB114	1-234-078-11	s	RES, CHIP NETWORK 47
RB115	1-233-448-11	s	RES, CHIP NETWORK 22
RB116	1-233-448-11	s	RES, CHIP NETWORK 22
RB117	1-233-448-11	s	RES, CHIP NETWORK 22
RB118	1-233-448-11	s	RES, CHIP NETWORK 22
RB119	1-233-448-11	s	RES, CHIP NETWORK 22
RB120	1-233-448-11	s	RES, CHIP NETWORK 22
RB121	1-233-448-11	s	RES, CHIP NETWORK 22
RB122	1-233-448-11	s	RES, CHIP NETWORK 22
RB123	1-233-448-11	s	RES, CHIP NETWORK 22
RB124	1-233-448-11	s	RES, CHIP NETWORK 22
RB125	1-233-448-11	s	RES, CHIP NETWORK 22
RB126	1-233-448-11	s	RES, CHIP NETWORK 22
RB127	1-233-448-11	s	RES, CHIP NETWORK 22
RB128	1-233-448-11	s	RES, CHIP NETWORK 22
RB129	1-233-448-11	s	RES, CHIP NETWORK 22
RB130	1-233-448-11	s	RES, CHIP NETWORK 22
RB131	1-233-448-11	s	RES, CHIP NETWORK 22
RB132	1-233-448-11	s	RES, CHIP NETWORK 22
RB133	1-233-448-11	s	RES, CHIP NETWORK 22
RB134	1-233-448-11	s	RES, CHIP NETWORK 22
RB135	1-233-448-11	s	RES, CHIP NETWORK 22
RB136	1-233-448-11	s	RES, CHIP NETWORK 22
RB137	1-233-448-11	s	RES, CHIP NETWORK 22
RB138	1-233-448-11	s	RES, CHIP NETWORK 22
RB139	1-233-448-11	s	RES, CHIP NETWORK 22
RB140	1-233-448-11	s	RES, CHIP NETWORK 22
RB141	1-233-448-11	s	RES, CHIP NETWORK 22
RB142	1-233-448-11	s	RES, CHIP NETWORK 22
RB143	1-233-448-11	s	RES, CHIP NETWORK 22
RB144	1-233-448-11	s	RES, CHIP NETWORK 22
RB145	1-233-448-11	s	RES, CHIP NETWORK 22
RB146	1-233-448-11	s	RES, CHIP NETWORK 22
RB147	1-233-448-11	s	RES, CHIP NETWORK 22
RB148	1-233-448-11	s	RES, CHIP NETWORK 22
RB149	1-233-448-11	s	RES, CHIP NETWORK 22
RB150	1-233-448-11	s	RES, CHIP NETWORK 22
RB151	1-233-448-11	s	RES, CHIP NETWORK 22
RB152	1-233-448-11	s	RES, CHIP NETWORK 22
RB153	1-233-448-11	s	RES, CHIP NETWORK 22
RB154	1-233-448-11	s	RES, CHIP NETWORK 22
RB155	1-233-448-11	s	RES, CHIP NETWORK 22
RB156	1-233-448-11	s	RES, CHIP NETWORK 22
RB157	1-234-077-11	s	RES, CHIP NETWORK 68
RB158	1-233-448-11	s	RES, CHIP NETWORK 22
RB159	1-233-448-11	s	RES, CHIP NETWORK 22
RB160	1-233-448-11	s	RES, CHIP NETWORK 22
RB161	1-233-448-11	s	RES, CHIP NETWORK 22
RB162	1-233-448-11	s	RES, CHIP NETWORK 22
RB163	1-233-448-11	s	RES, CHIP NETWORK 22
RB164	1-233-448-11	s	RES, CHIP NETWORK 22
RB165	1-233-448-11	s	RES, CHIP NETWORK 22
RB166	1-233-448-11	s	RES, CHIP NETWORK 22
RB167	1-234-077-11	s	RES, CHIP NETWORK 68
RB168	1-233-448-11	s	RES, CHIP NETWORK 22
RB169	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB170	1-233-448-11	s	RES, CHIP NETWORK 22
RB171	1-233-448-11	s	RES, CHIP NETWORK 22
RB172	1-233-448-11	s	RES, CHIP NETWORK 22
RB173	1-233-448-11	s	RES, CHIP NETWORK 22
RB174	1-233-448-11	s	RES, CHIP NETWORK 22
RB175	1-233-448-11	s	RES, CHIP NETWORK 22
RB176	1-233-448-11	s	RES, CHIP NETWORK 22
RB177	1-233-448-11	s	RES, CHIP NETWORK 22
RB178	1-233-448-11	s	RES, CHIP NETWORK 22
RB179	1-233-448-11	s	RES, CHIP NETWORK 22
RB180	1-233-448-11	s	RES, CHIP NETWORK 22
RB181	1-233-448-11	s	RES, CHIP NETWORK 22
RB182	1-233-448-11	s	RES, CHIP NETWORK 22
RB183	1-233-448-11	s	RES, CHIP NETWORK 22
RB184	1-233-448-11	s	RES, CHIP NETWORK 22
RB185	1-233-448-11	s	RES, CHIP NETWORK 22
RB186	1-233-448-11	s	RES, CHIP NETWORK 22
RB187	1-234-077-11	s	RES, CHIP NETWORK 68
RB188	1-233-448-11	s	RES, CHIP NETWORK 22
RB189	1-234-077-11	s	RES, CHIP NETWORK 68
RB190	1-233-448-11	s	RES, CHIP NETWORK 22
RB191	1-233-448-11	s	RES, CHIP NETWORK 22
RB192	1-233-448-11	s	RES, CHIP NETWORK 22
RB193	1-233-448-11	s	RES, CHIP NETWORK 22
RB194	1-233-448-11	s	RES, CHIP NETWORK 22
RB195	1-233-448-11	s	RES, CHIP NETWORK 22
RB196	1-233-448-11	s	RES, CHIP NETWORK 22
RB197	1-233-448-11	s	RES, CHIP NETWORK 22
RB198	1-233-448-11	s	RES, CHIP NETWORK 22
RB199	1-233-448-11	s	RES, CHIP NETWORK 22
RB200	1-233-448-11	s	RES, CHIP NETWORK 22
RB201	1-233-448-11	s	RES, CHIP NETWORK 22
RB202	1-233-448-11	s	RES, CHIP NETWORK 22
RB203	1-233-448-11	s	RES, CHIP NETWORK 22
RB204	1-233-448-11	s	RES, CHIP NETWORK 22
RB205	1-233-448-11	s	RES, CHIP NETWORK 22
RB206	1-233-448-11	s	RES, CHIP NETWORK 22
RB207	1-233-448-11	s	RES, CHIP NETWORK 22
RB208	1-233-448-11	s	RES, CHIP NETWORK 22
RB209	1-233-448-11	s	RES, CHIP NETWORK 22
RB210	1-233-448-11	s	RES, CHIP NETWORK 22
RB211	1-233-448-11	s	RES, CHIP NETWORK 22
RB212	1-233-448-11	s	RES, CHIP NETWORK 22
RB213	1-233-448-11	s	RES, CHIP NETWORK 22
RB214	1-233-448-11	s	RES, CHIP NETWORK 22
RB215	1-233-448-11	s	RES, CHIP NETWORK 22
RB216	1-233-448-11	s	RES, CHIP NETWORK 22
RB217	1-233-448-11	s	RES, CHIP NETWORK 22
RB218	1-233-448-11	s	RES, CHIP NETWORK 22
RB219	1-233-448-11	s	RES, CHIP NETWORK 22
RB220	1-233-448-11	s	RES, CHIP NETWORK 22
RB221	1-233-448-11	s	RES, CHIP NETWORK 22
RB222	1-233-448-11	s	RES, CHIP NETWORK 22
RB223	1-233-448-11	s	RES, CHIP NETWORK 22
RB224	1-233-448-11	s	RES, CHIP NETWORK 22
RB225	1-233-448-11	s	RES, CHIP NETWORK 22
RB226	1-233-448-11	s	RES, CHIP NETWORK 22
RB227	1-233-448-11	s	RES, CHIP NETWORK 22
RB228	1-233-448-11	s	RES, CHIP NETWORK 22

(VSW-33 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB229	1-233-448-11	s	RES, CHIP NETWORK 22
RB230	1-233-448-11	s	RES, CHIP NETWORK 22
RB231	1-233-448-11	s	RES, CHIP NETWORK 22
RB232	1-233-448-11	s	RES, CHIP NETWORK 22
RB233	1-233-448-11	s	RES, CHIP NETWORK 22
RB234	1-233-448-11	s	RES, CHIP NETWORK 22
RB235	1-233-448-11	s	RES, CHIP NETWORK 22
RB236	1-233-448-11	s	RES, CHIP NETWORK 22
RB237	1-233-448-11	s	RES, CHIP NETWORK 22
RB238	1-233-448-11	s	RES, CHIP NETWORK 22
RB239	1-233-448-11	s	RES, CHIP NETWORK 22
RB240	1-233-448-11	s	RES, CHIP NETWORK 22
RB241	1-233-448-11	s	RES, CHIP NETWORK 22
RB242	1-233-448-11	s	RES, CHIP NETWORK 22
RB243	1-233-448-11	s	RES, CHIP NETWORK 22
RB244	1-233-448-11	s	RES, CHIP NETWORK 22
RB245	1-233-448-11	s	RES, CHIP NETWORK 22
RB246	1-233-448-11	s	RES, CHIP NETWORK 22
RB247	1-233-448-11	s	RES, CHIP NETWORK 22
RB248	1-233-448-11	s	RES, CHIP NETWORK 22
RB249	1-233-448-11	s	RES, CHIP NETWORK 22
RB250	1-233-448-11	s	RES, CHIP NETWORK 22
RB251	1-233-448-11	s	RES, CHIP NETWORK 22
RB252	1-233-448-11	s	RES, CHIP NETWORK 22
RB253	1-233-448-11	s	RES, CHIP NETWORK 22
RB254	1-233-448-11	s	RES, CHIP NETWORK 22
RB255	1-233-448-11	s	RES, CHIP NETWORK 22
RB256	1-233-448-11	s	RES, CHIP NETWORK 22
RB257	1-233-448-11	s	RES, CHIP NETWORK 22
RB258	1-233-448-11	s	RES, CHIP NETWORK 22
RB259	1-233-448-11	s	RES, CHIP NETWORK 22
RB260	1-233-448-11	s	RES, CHIP NETWORK 22
RB261	1-233-448-11	s	RES, CHIP NETWORK 22
RB262	1-233-448-11	s	RES, CHIP NETWORK 22
RB263	1-233-448-11	s	RES, CHIP NETWORK 22
RB264	1-233-448-11	s	RES, CHIP NETWORK 22
RB265	1-233-448-11	s	RES, CHIP NETWORK 22
RB266	1-233-448-11	s	RES, CHIP NETWORK 22
RB267	1-233-448-11	s	RES, CHIP NETWORK 22
RB271	1-233-448-11	s	RES, CHIP NETWORK 22
RB272	1-233-448-11	s	RES, CHIP NETWORK 22
RB273	1-233-448-11	s	RES, CHIP NETWORK 22
RB274	1-233-448-11	s	RES, CHIP NETWORK 22
RB275	1-234-078-11	s	RES, CHIP NETWORK 47
RB276	1-234-078-11	s	RES, CHIP NETWORK 47
RB277	1-234-078-11	s	RES, CHIP NETWORK 47
RB278	1-234-078-11	s	RES, CHIP NETWORK 47
RB279	1-234-078-11	s	RES, CHIP NETWORK 47
RB280	1-234-078-11	s	RES, CHIP NETWORK 47
RB281	1-234-078-11	s	RES, CHIP NETWORK 47
RB282	1-234-078-11	s	RES, CHIP NETWORK 47
RB283	1-234-078-11	s	RES, CHIP NETWORK 47
RB284	1-234-078-11	s	RES, CHIP NETWORK 47
RB285	1-234-078-11	s	RES, CHIP NETWORK 47
RB286	1-234-078-11	s	RES, CHIP NETWORK 47
RB287	1-234-078-11	s	RES, CHIP NETWORK 47
RB288	1-234-078-11	s	RES, CHIP NETWORK 47
RB289	1-234-078-11	s	RES, CHIP NETWORK 47
RB290	1-234-078-11	s	RES, CHIP NETWORK 47

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Ref. No. or Q'ty	Part No.	SP	Description
RB291	1-234-078-11	s	RES, CHIP NETWORK 47
RB292	1-234-078-11	s	RES, CHIP NETWORK 47
RB293	1-234-078-11	s	RES, CHIP NETWORK 47
RB294	1-234-078-11	s	RES, CHIP NETWORK 47
RB295	1-234-078-11	s	RES, CHIP NETWORK 47
RB296	1-234-078-11	s	RES, CHIP NETWORK 47
RB297	1-234-078-11	s	RES, CHIP NETWORK 47
RB298	1-234-078-11	s	RES, CHIP NETWORK 47
RB299	1-233-448-11	s	RES, CHIP NETWORK 22
RB303	1-233-448-11	s	RES, CHIP NETWORK 22
RB304	1-233-448-11	s	RES, CHIP NETWORK 22
RB305	1-233-448-11	s	RES, CHIP NETWORK 22
RB306	1-233-448-11	s	RES, CHIP NETWORK 22
RB307	1-233-448-11	s	RES, CHIP NETWORK 22
RB308	1-233-448-11	s	RES, CHIP NETWORK 22
RB309	1-233-448-11	s	RES, CHIP NETWORK 22
RB314	1-233-448-11	s	RES, CHIP NETWORK 22
RB315	1-233-448-11	s	RES, CHIP NETWORK 22
RB316	1-233-448-11	s	RES, CHIP NETWORK 22
RB317	1-233-448-11	s	RES, CHIP NETWORK 22
RB318	1-233-448-11	s	RES, CHIP NETWORK 22
RB319	1-233-448-11	s	RES, CHIP NETWORK 22
RB320	1-233-448-11	s	RES, CHIP NETWORK 22
RB321	1-233-448-11	s	RES, CHIP NETWORK 22
RB326	1-234-078-11	s	RES, CHIP NETWORK 47
RB327	1-234-078-11	s	RES, CHIP NETWORK 47
RB328	1-234-078-11	s	RES, CHIP NETWORK 47
RB329	1-234-078-11	s	RES, CHIP NETWORK 47
RB330	1-234-078-11	s	RES, CHIP NETWORK 47
RB331	1-234-078-11	s	RES, CHIP NETWORK 47
RB332	1-234-078-11	s	RES, CHIP NETWORK 47
RB333	1-234-078-11	s	RES, CHIP NETWORK 47
RB334	1-234-078-11	s	RES, CHIP NETWORK 47
RB335	1-234-078-11	s	RES, CHIP NETWORK 47
RB336	1-234-078-11	s	RES, CHIP NETWORK 47
RB337	1-234-078-11	s	RES, CHIP NETWORK 47
RB338	1-234-078-11	s	RES, CHIP NETWORK 47
RB339	1-234-078-11	s	RES, CHIP NETWORK 47
RB340	1-234-078-11	s	RES, CHIP NETWORK 47
RB341	1-234-078-11	s	RES, CHIP NETWORK 47
RB342	1-234-078-11	s	RES, CHIP NETWORK 47
RB343	1-234-078-11	s	RES, CHIP NETWORK 47
RB344	1-234-078-11	s	RES, CHIP NETWORK 47
RB345	1-234-078-11	s	RES, CHIP NETWORK 47
RB346	1-234-078-11	s	RES, CHIP NETWORK 47
RB347	1-234-078-11	s	RES, CHIP NETWORK 47
RB348	1-234-078-11	s	RES, CHIP NETWORK 47
RB349	1-234-078-11	s	RES, CHIP NETWORK 47
RB350	1-233-448-11	s	RES, CHIP NETWORK 22
RB351	1-233-448-11	s	RES, CHIP NETWORK 22
RB352	1-233-448-11	s	RES, CHIP NETWORK 22
RB353	1-233-448-11	s	RES, CHIP NETWORK 22
RB354	1-233-448-11	s	RES, CHIP NETWORK 22
RB355	1-233-448-11	s	RES, CHIP NETWORK 22
RB356	1-233-448-11	s	RES, CHIP NETWORK 22
RB357	1-233-448-11	s	RES, CHIP NETWORK 22
RB358	1-233-448-11	s	RES, CHIP NETWORK 22
RB359	1-233-448-11	s	RES, CHIP NETWORK 22
RB360	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB361	1-233-448-11	s	RES, CHIP NETWORK 22
RB362	1-233-448-11	s	RES, CHIP NETWORK 22
RB363	1-233-448-11	s	RES, CHIP NETWORK 22
RB364	1-233-448-11	s	RES, CHIP NETWORK 22
RB365	1-233-448-11	s	RES, CHIP NETWORK 22
RB366	1-233-448-11	s	RES, CHIP NETWORK 22
RB367	1-233-448-11	s	RES, CHIP NETWORK 22
RB368	1-233-448-11	s	RES, CHIP NETWORK 22
RB369	1-233-448-11	s	RES, CHIP NETWORK 22
RB377	1-234-078-11	s	RES, CHIP NETWORK 47
RB378	1-234-078-11	s	RES, CHIP NETWORK 47
RB379	1-234-078-11	s	RES, CHIP NETWORK 47
RB380	1-234-078-11	s	RES, CHIP NETWORK 47
RB381	1-234-078-11	s	RES, CHIP NETWORK 47
RB382	1-234-078-11	s	RES, CHIP NETWORK 47
RB383	1-234-078-11	s	RES, CHIP NETWORK 47
RB384	1-234-078-11	s	RES, CHIP NETWORK 47
RB385	1-234-078-11	s	RES, CHIP NETWORK 47
RB386	1-233-448-11	s	RES, CHIP NETWORK 22
RB387	1-233-448-11	s	RES, CHIP NETWORK 22
RB388	1-233-448-11	s	RES, CHIP NETWORK 22
RB389	1-233-448-11	s	RES, CHIP NETWORK 22
RB390	1-233-448-11	s	RES, CHIP NETWORK 22
RB391	1-233-448-11	s	RES, CHIP NETWORK 22
RB392	1-233-448-11	s	RES, CHIP NETWORK 22
RB393	1-233-448-11	s	RES, CHIP NETWORK 22
RB394	1-233-448-11	s	RES, CHIP NETWORK 22
RB395	1-233-448-11	s	RES, CHIP NETWORK 22
RB396	1-233-448-11	s	RES, CHIP NETWORK 22
RB397	1-233-448-11	s	RES, CHIP NETWORK 22
RB398	1-233-448-11	s	RES, CHIP NETWORK 22
RB399	1-233-448-11	s	RES, CHIP NETWORK 22
RB400	1-233-448-11	s	RES, CHIP NETWORK 22
RB401	1-233-448-11	s	RES, CHIP NETWORK 22
RB402	1-233-448-11	s	RES, CHIP NETWORK 22
RB403	1-233-448-11	s	RES, CHIP NETWORK 22
RB404	1-233-448-11	s	RES, CHIP NETWORK 22
RB405	1-233-448-11	s	RES, CHIP NETWORK 22
RB406	1-233-448-11	s	RES, CHIP NETWORK 22
RB407	1-233-448-11	s	RES, CHIP NETWORK 22
RB408	1-233-448-11	s	RES, CHIP NETWORK 22
RB409	1-233-448-11	s	RES, CHIP NETWORK 22
RB410	1-233-448-11	s	RES, CHIP NETWORK 22
RB411	1-233-448-11	s	RES, CHIP NETWORK 22
RB412	1-233-448-11	s	RES, CHIP NETWORK 22
RB413	1-233-448-11	s	RES, CHIP NETWORK 22
RB414	1-233-448-11	s	RES, CHIP NETWORK 22
RB415	1-233-448-11	s	RES, CHIP NETWORK 22
RB416	1-233-448-11	s	RES, CHIP NETWORK 22
RB417	1-233-448-11	s	RES, CHIP NETWORK 22
RB418	1-233-448-11	s	RES, CHIP NETWORK 22
RB419	1-233-448-11	s	RES, CHIP NETWORK 22
RB420	1-233-448-11	s	RES, CHIP NETWORK 22
RB421	1-233-448-11	s	RES, CHIP NETWORK 22
RB422	1-233-448-11	s	RES, CHIP NETWORK 22
RB423	1-233-448-11	s	RES, CHIP NETWORK 22
RB424	1-233-448-11	s	RES, CHIP NETWORK 22
RB425	1-233-448-11	s	RES, CHIP NETWORK 22
RB426	1-233-448-11	s	RES, CHIP NETWORK 22

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Ref. No. or Q'ty	Part No.	SP	Description
RB427	1-233-448-11	s	RES, CHIP NETWORK 22
RB428	1-233-448-11	s	RES, CHIP NETWORK 22
RB429	1-233-448-11	s	RES, CHIP NETWORK 22
RB430	1-233-448-11	s	RES, CHIP NETWORK 22
RB431	1-233-448-11	s	RES, CHIP NETWORK 22
RB432	1-233-448-11	s	RES, CHIP NETWORK 22
RB433	1-233-448-11	s	RES, CHIP NETWORK 22
RB434	1-233-448-11	s	RES, CHIP NETWORK 22
RB435	1-233-448-11	s	RES, CHIP NETWORK 22
RB436	1-233-448-11	s	RES, CHIP NETWORK 22
RB437	1-233-448-11	s	RES, CHIP NETWORK 22
RB438	1-233-448-11	s	RES, CHIP NETWORK 22
RB439	1-233-448-11	s	RES, CHIP NETWORK 22
RB440	1-233-448-11	s	RES, CHIP NETWORK 22
RB441	1-233-448-11	s	RES, CHIP NETWORK 22
RB442	1-233-448-11	s	RES, CHIP NETWORK 22
RB443	1-233-448-11	s	RES, CHIP NETWORK 22
RB444	1-233-448-11	s	RES, CHIP NETWORK 22
RB445	1-233-448-11	s	RES, CHIP NETWORK 22
RB446	1-233-448-11	s	RES, CHIP NETWORK 22
RB447	1-233-448-11	s	RES, CHIP NETWORK 22
RB448	1-233-448-11	s	RES, CHIP NETWORK 22
RB449	1-233-448-11	s	RES, CHIP NETWORK 22
RB450	1-233-448-11	s	RES, CHIP NETWORK 22
RB451	1-233-448-11	s	RES, CHIP NETWORK 22
RB452	1-233-448-11	s	RES, CHIP NETWORK 22
RB453	1-233-448-11	s	RES, CHIP NETWORK 22
RB454	1-233-448-11	s	RES, CHIP NETWORK 22
RB455	1-233-448-11	s	RES, CHIP NETWORK 22
RB456	1-233-448-11	s	RES, CHIP NETWORK 22
RB457	1-233-448-11	s	RES, CHIP NETWORK 22
RB458	1-233-448-11	s	RES, CHIP NETWORK 22
RB459	1-233-448-11	s	RES, CHIP NETWORK 22
RB460	1-233-448-11	s	RES, CHIP NETWORK 22
RB461	1-233-448-11	s	RES, CHIP NETWORK 22

WKG-25 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8318-830-A	o	MOUNTED CIRCUIT BOARD, WKG-25
2pcs	3-194-878-01	s	LEVER, PC BOARD
2pcs	7-626-320-11	s	PIN, SPRING 3x8
4pcs	7-682-903-01	s	SCREW +PWH 3x5
6pcs	7-685-104-21	s	SCREW +P 2x6 TYPE2 SLIT
C1	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C2	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C3	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C8	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C9	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C10	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C13	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-163-038-91	s	CERAMIC 0.1uF 25V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-163-038-91	s	CERAMIC 0.1uF 25V
C48	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-163-038-91	s	CERAMIC 0.1uF 25V
C54	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V

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Ref. No. or Q'ty	Part No.	SP	Description
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C74	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C75	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C76	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C80	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-038-91	s	CERAMIC 0.1uF 25V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-038-91	s	CERAMIC 0.1uF 25V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C106	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C107	1-163-038-91	s	CERAMIC 0.1uF 25V
C108	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V
C117	1-163-038-91	s	CERAMIC 0.1uF 25V
C118	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C119	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C122	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C212	1-163-038-91	s	CERAMIC 0.1uF 25V
C213	1-163-038-91	s	CERAMIC 0.1uF 25V
C214	1-163-038-91	s	CERAMIC 0.1uF 25V
C215	1-163-038-91	s	CERAMIC 0.1uF 25V
C216	1-163-038-91	s	CERAMIC 0.1uF 25V
C217	1-163-038-91	s	CERAMIC 0.1uF 25V
C218	1-163-038-91	s	CERAMIC 0.1uF 25V
C219	1-163-038-91	s	CERAMIC 0.1uF 25V
C220	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C221	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C222	1-163-038-91	s	CERAMIC 0.1uF 25V
C223	1-163-038-91	s	CERAMIC 0.1uF 25V
C224	1-163-038-91	s	CERAMIC 0.1uF 25V
C225	1-163-038-91	s	CERAMIC 0.1uF 25V
C226	1-163-038-91	s	CERAMIC 0.1uF 25V
C227	1-163-038-91	s	CERAMIC 0.1uF 25V
C228	1-163-038-91	s	CERAMIC 0.1uF 25V
C229	1-163-038-91	s	CERAMIC 0.1uF 25V
C230	1-163-038-91	s	CERAMIC 0.1uF 25V
C231	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C232	1-163-038-91	s	CERAMIC 0.1uF 25V
C233	1-163-038-91	s	CERAMIC 0.1uF 25V
C234	1-163-038-91	s	CERAMIC 0.1uF 25V
C235	1-163-038-91	s	CERAMIC 0.1uF 25V
C236	1-163-038-91	s	CERAMIC 0.1uF 25V
C237	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C238	1-163-038-91	s	CERAMIC 0.1uF 25V
C239	1-163-038-91	s	CERAMIC 0.1uF 25V
C240	1-163-038-91	s	CERAMIC 0.1uF 25V
C241	1-163-038-91	s	CERAMIC 0.1uF 25V
C242	1-163-038-91	s	CERAMIC 0.1uF 25V
C243	1-163-038-91	s	CERAMIC 0.1uF 25V
C244	1-163-038-91	s	CERAMIC 0.1uF 25V
C245	1-163-038-91	s	CERAMIC 0.1uF 25V
C246	1-163-038-91	s	CERAMIC 0.1uF 25V
C247	1-163-038-91	s	CERAMIC 0.1uF 25V
C248	1-163-038-91	s	CERAMIC 0.1uF 25V
C249	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C250	1-163-038-91	s	CERAMIC 0.1uF 25V
C251	1-163-038-91	s	CERAMIC 0.1uF 25V
C252	1-163-038-91	s	CERAMIC 0.1uF 25V
C253	1-163-038-91	s	CERAMIC 0.1uF 25V
C254	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C255	1-163-038-91	s	CERAMIC 0.1uF 25V
C256	1-163-038-91	s	CERAMIC 0.1uF 25V
C257	1-163-038-91	s	CERAMIC 0.1uF 25V
C258	1-163-038-91	s	CERAMIC 0.1uF 25V
C259	1-163-038-91	s	CERAMIC 0.1uF 25V
C260	1-163-038-91	s	CERAMIC 0.1uF 25V
C261	1-163-038-91	s	CERAMIC 0.1uF 25V
C262	1-163-038-91	s	CERAMIC 0.1uF 25V
C263	1-163-038-91	s	CERAMIC 0.1uF 25V
C264	1-163-038-91	s	CERAMIC 0.1uF 25V
C265	1-163-038-91	s	CERAMIC 0.1uF 25V
C266	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C267	1-163-038-91	s	CERAMIC 0.1uF 25V
C268	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C269	1-163-038-91	s	CERAMIC 0.1uF 25V
C270	1-163-038-91	s	CERAMIC 0.1uF 25V
C271	1-163-038-91	s	CERAMIC 0.1uF 25V
C272	1-163-038-91	s	CERAMIC 0.1uF 25V
C273	1-163-038-91	s	CERAMIC 0.1uF 25V
C274	1-163-038-91	s	CERAMIC 0.1uF 25V
C275	1-163-038-91	s	CERAMIC 0.1uF 25V
C276	1-163-038-91	s	CERAMIC 0.1uF 25V
C277	1-163-038-91	s	CERAMIC 0.1uF 25V
C278	1-163-038-91	s	CERAMIC 0.1uF 25V
C279	1-163-038-91	s	CERAMIC 0.1uF 25V
C280	1-163-038-91	s	CERAMIC 0.1uF 25V
C281	1-163-038-91	s	CERAMIC 0.1uF 25V
C282	1-163-038-91	s	CERAMIC 0.1uF 25V
C283	1-163-038-91	s	CERAMIC 0.1uF 25V
C284	1-163-038-91	s	CERAMIC 0.1uF 25V
C285	1-163-038-91	s	CERAMIC 0.1uF 25V
C286	1-163-038-91	s	CERAMIC 0.1uF 25V
C287	1-163-038-91	s	CERAMIC 0.1uF 25V
C288	1-163-038-91	s	CERAMIC 0.1uF 25V
C289	1-163-038-91	s	CERAMIC 0.1uF 25V
C290	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C291	1-163-038-91	s	CERAMIC 0.1uF 25V
C292	1-163-038-91	s	CERAMIC 0.1uF 25V
C293	1-163-038-91	s	CERAMIC 0.1uF 25V
C294	1-163-038-91	s	CERAMIC 0.1uF 25V
C295	1-163-038-91	s	CERAMIC 0.1uF 25V
C296	1-163-038-91	s	CERAMIC 0.1uF 25V
C297	1-163-038-91	s	CERAMIC 0.1uF 25V
C298	1-163-038-91	s	CERAMIC 0.1uF 25V
C299	1-163-038-91	s	CERAMIC 0.1uF 25V
C300	1-163-038-91	s	CERAMIC 0.1uF 25V
C301	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C302	1-163-038-91	s	CERAMIC 0.1uF 25V
C303	1-163-038-91	s	CERAMIC 0.1uF 25V
C304	1-163-038-91	s	CERAMIC 0.1uF 25V
C305	1-163-038-91	s	CERAMIC 0.1uF 25V
C306	1-163-038-91	s	CERAMIC 0.1uF 25V
C307	1-163-038-91	s	CERAMIC 0.1uF 25V
C308	1-163-038-91	s	CERAMIC 0.1uF 25V
C309	1-163-038-91	s	CERAMIC 0.1uF 25V
C310	1-163-038-91	s	CERAMIC 0.1uF 25V
C311	1-163-038-91	s	CERAMIC 0.1uF 25V
C312	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C313	1-163-038-91	s	CERAMIC 0.1uF 25V
C314	1-163-038-91	s	CERAMIC 0.1uF 25V
C315	1-163-038-91	s	CERAMIC 0.1uF 25V
C316	1-163-038-91	s	CERAMIC 0.1uF 25V
C317	1-163-038-91	s	CERAMIC 0.1uF 25V
C318	1-163-038-91	s	CERAMIC 0.1uF 25V
C319	1-163-038-91	s	CERAMIC 0.1uF 25V
C320	1-163-038-91	s	CERAMIC 0.1uF 25V
C321	1-163-038-91	s	CERAMIC 0.1uF 25V
C322	1-163-038-91	s	CERAMIC 0.1uF 25V
C323	1-163-038-91	s	CERAMIC 0.1uF 25V
C324	1-163-038-91	s	CERAMIC 0.1uF 25V
C325	1-163-038-91	s	CERAMIC 0.1uF 25V
C326	1-163-038-91	s	CERAMIC 0.1uF 25V
C327	1-163-038-91	s	CERAMIC 0.1uF 25V
C328	1-163-038-91	s	CERAMIC 0.1uF 25V
C329	1-163-038-91	s	CERAMIC 0.1uF 25V
C330	1-163-038-91	s	CERAMIC 0.1uF 25V
C331	1-163-038-91	s	CERAMIC 0.1uF 25V
C332	1-163-038-91	s	CERAMIC 0.1uF 25V
C333	1-163-038-91	s	CERAMIC 0.1uF 25V
C334	1-163-038-91	s	CERAMIC 0.1uF 25V
C335	1-163-038-91	s	CERAMIC 0.1uF 25V
C336	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C337	1-163-038-91	s	CERAMIC 0.1uF 25V
C338	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C339	1-163-038-91	s	CERAMIC 0.1uF 25V
C340	1-163-038-91	s	CERAMIC 0.1uF 25V
C341	1-163-038-91	s	CERAMIC 0.1uF 25V
C342	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C343	1-163-038-91	s	CERAMIC 0.1uF 25V
C344	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C345	1-163-038-91	s	CERAMIC 0.1uF 25V
C346	1-163-038-91	s	CERAMIC 0.1uF 25V
C347	1-163-038-91	s	CERAMIC 0.1uF 25V
C348	1-163-038-91	s	CERAMIC 0.1uF 25V
C349	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C350	1-163-038-91	s	CERAMIC 0.1uF 25V
C351	1-163-038-91	s	CERAMIC 0.1uF 25V
C352	1-163-038-91	s	CERAMIC 0.1uF 25V
C353	1-163-038-91	s	CERAMIC 0.1uF 25V
C354	1-163-038-91	s	CERAMIC 0.1uF 25V
C355	1-163-038-91	s	CERAMIC 0.1uF 25V
C356	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C357	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C358	1-163-038-91	s	CERAMIC 0.1uF 25V
C359	1-163-038-91	s	CERAMIC 0.1uF 25V
C360	1-163-038-91	s	CERAMIC 0.1uF 25V
C361	1-163-038-91	s	CERAMIC 0.1uF 25V
C362	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C363	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C364	1-163-038-91	s	CERAMIC 0.1uF 25V
C365	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C366	1-163-038-91	s	CERAMIC 0.1uF 25V
C367	1-163-038-91	s	CERAMIC 0.1uF 25V
C368	1-163-038-91	s	CERAMIC 0.1uF 25V
C369	1-163-038-91	s	CERAMIC 0.1uF 25V
C370	1-163-038-91	s	CERAMIC 0.1uF 25V
C404	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C474	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C532	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C574	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C586	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C607	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C608	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C644	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
CN1	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
CN3	1-764-615-11	s	CONNECTOR, BB 100P, FEMALE
D1	8-719-975-84	s	DIODE AY1101W-88
D2	8-719-975-84	s	DIODE AY1101W-88
IC1	8-759-466-56	s	IC 74LCX86MTCX
IC2	8-759-389-26	s	IC 74LCX08MTCX
IC3	8-759-389-48	s	IC 74LCX16374MTDX
IC4	8-759-466-59	s	IC CGS2535TVX
IC5	8-759-466-59	s	IC CGS2535TVX
IC6	8-759-466-58	s	IC CGS2534TVX
IC7	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC8	8-759-386-27	s	IC 74LCX04MTCX
IC9	8-759-464-48	s	IC CXD8900J
IC10	8-759-464-48	s	IC CXD8900J
IC11	8-759-386-27	s	IC 74LCX04MTCX
IC12	8-759-389-48	s	IC 74LCX16374MTDX
IC13	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC14	8-759-528-40	s	IC IDT74FCT163CTSO-TL
IC15	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC16	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC17	8-759-466-63	s	IC CXD8895Q
IC18	8-759-505-02	s	IC CXD8053Q
IC19	8-759-505-02	s	IC CXD8053Q
IC20	8-759-389-48	s	IC 74LCX16374MTDX
IC21	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC22	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC23	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC24	8-759-528-53	s	IC IDT74FCT16374ETPA-TL

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Ref. No. or Q'ty	Part No.	SP	Description
IC25	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC26	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC27	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC28	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC29	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC30	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC31	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC32	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC33	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC34	8-759-531-41	o	IC WS57C71-MOS MSB
IC35	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC36	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC37	8-759-389-48	s	IC 74LCX16374MTDX
IC38	8-759-389-48	s	IC 74LCX16374MTDX
IC39	8-759-531-43	o	IC WS57C51-SIN MSB
IC40	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC41	8-759-389-48	s	IC 74LCX16374MTDX
IC42	8-759-505-09	s	IC CXD8061
IC43	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC44	8-759-072-97	s	IC ZA4041
IC45	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC46	8-759-505-02	s	IC CXD8053Q
IC47	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC48	8-759-505-02	s	IC CXD8053Q
IC49	8-759-389-48	s	IC 74LCX16374MTDX
IC50	8-759-464-48	s	IC CXD8900J
IC51	8-759-389-48	s	IC 74LCX16374MTDX
IC52	8-759-389-48	s	IC 74LCX16374MTDX
IC53	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC54	8-759-360-61	s	IC CXD8848AQ
IC55	8-759-505-08	s	IC CXD8060Q
IC56	8-759-505-08	s	IC CXD8060Q
IC57	8-759-360-61	s	IC CXD8848AQ
IC58	8-759-389-48	s	IC 74LCX16374MTDX
IC59	8-759-466-63	s	IC CXD8895Q
IC60	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC61	8-759-531-42	o	IC WS57C51-SIN LSB
IC62	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC63	8-759-389-48	s	IC 74LCX16374MTDX
IC64	8-759-389-48	s	IC 74LCX16374MTDX
IC65	8-759-389-48	s	IC 74LCX16374MTDX
IC66	8-759-531-45	o	IC WS57C71-ENH MSB
IC67	8-759-531-44	o	IC WS57C71-ENH LSB
IC68	8-759-072-97	s	IC ZA4041
IC69	8-759-456-26	s	IC 74LCX541MTCX
IC70	8-759-523-49	s	IC TC74ACT541FT(EL)
IC71	8-759-456-26	s	IC 74LCX541MTCX
IC72	8-759-466-63	s	IC CXD8895Q
IC73	8-759-386-26	s	IC 74LCX574MTCX
IC74	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC75	8-759-386-26	s	IC 74LCX574MTCX
IC76	8-759-456-26	s	IC 74LCX541MTCX
IC77	8-759-456-26	s	IC 74LCX541MTCX
IC78	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC79	8-759-531-43	o	IC WS57C51-SIN MSB
IC80	8-759-389-48	s	IC 74LCX16374MTDX
IC81	8-759-466-63	s	IC CXD8895Q
IC82	8-759-389-48	s	IC 74LCX16374MTDX
IC83	8-759-389-48	s	IC 74LCX16374MTDX

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Ref. No. or Q'ty	Part No.	SP	Description
IC84	8-759-389-48	s	IC 74LCX16374MTDX
IC85	8-759-505-09	s	IC CXD8061
IC86	8-759-505-00	s	IC CXD8052Q
IC87	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC88	8-759-505-06	s	IC CXD8058Q
IC89	8-759-505-08	s	IC CXD8060Q
IC90	8-759-456-26	s	IC 74LCX541MTCX
IC91	8-759-523-49	s	IC TC74ACT541FT(EL)
IC92	8-759-505-08	s	IC CXD8060Q
IC93	8-759-360-61	s	IC CXD8848AQ
IC94	8-759-464-48	s	IC CXD8900J
IC95	8-759-360-61	s	IC CXD8848AQ
IC96	8-759-389-48	s	IC 74LCX16374MTDX
IC97	8-759-389-48	s	IC 74LCX16374MTDX
IC98	8-759-389-48	s	IC 74LCX16374MTDX
IC99	8-759-456-26	s	IC 74LCX541MTCX
IC100	8-759-456-26	s	IC 74LCX541MTCX
IC101	8-759-531-42	o	IC WS57C51-SIN LSB
IC102	8-759-389-48	s	IC 74LCX16374MTDX
IC103	8-759-531-45	o	IC WS57C71-ENH MSB
IC104	8-759-531-44	o	IC WS57C71-ENH LSB
IC105	8-759-389-30	s	IC 74LCX32MTCX
IC106	8-759-389-48	s	IC 74LCX16374MTDX
IC107	8-759-389-26	s	IC 74LCX08MTCX
IC108	8-759-466-59	s	IC CGS2535TVX
IC109	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC110	8-759-464-48	s	IC CXD8900J
IC111	8-759-464-48	s	IC CXD8900J
IC112	8-759-386-28	s	IC 74LCX00MTCX
IC113	8-759-389-48	s	IC 74LCX16374MTDX
IC114	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC115	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC116	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC117	8-759-505-02	s	IC CXD8053Q
IC118	8-759-505-02	s	IC CXD8053Q
IC119	8-759-505-02	s	IC CXD8053Q
IC120	8-759-389-48	s	IC 74LCX16374MTDX
IC121	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC122	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC123	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC124	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC125	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC126	8-759-389-26	s	IC 74LCX08MTCX
IC127	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC128	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC129	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC130	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC131	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC132	8-759-531-40	o	IC WS57C71-MOS LSB
IC133	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC134	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC135	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC136	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC137	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC138	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC139	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC140	8-759-386-27	s	IC 74LCX04MTCX
IC141	8-759-389-48	s	IC 74LCX16374MTDX
IC142	8-759-531-43	o	IC WS57C51-SIN MSB

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Ref. No. or Q'ty	Part No.	SP	Description
IC143	8-759-389-48	s	IC 74LCX16374MTDX
IC144	8-759-072-97	s	IC ZA4041
IC145	8-759-389-48	s	IC 74LCX16374MTDX
IC146	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC147	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC148	8-759-531-45	o	IC WS57C71-ENH MSB
IC149	8-759-531-44	o	IC WS57C71-ENH LSB
IC150	8-759-386-26	s	IC 74LCX574MTCX
IC151	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC152	8-759-505-02	s	IC CXD8053Q
IC153	8-759-505-02	s	IC CXD8053Q
IC154	8-759-389-48	s	IC 74LCX16374MTDX
IC155	8-759-389-48	s	IC 74LCX16374MTDX
IC156	8-759-389-48	s	IC 74LCX16374MTDX
IC157	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC158	8-759-360-61	s	IC CXD8848AQ
IC159	8-759-505-08	s	IC CXD8060Q
IC160	8-759-505-08	s	IC CXD8060Q
IC161	8-759-360-61	s	IC CXD8848AQ
IC162	8-759-389-48	s	IC 74LCX16374MTDX
IC163	8-759-466-63	s	IC CXD8895Q
IC164	8-759-466-56	s	IC 74LCX86MTCX
IC165	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC166	8-759-531-42	o	IC WS57C51-SIN LSB
IC167	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC168	8-759-389-48	s	IC 74LCX16374MTDX
IC169	8-759-505-09	s	IC CXD8061
IC170	8-759-072-97	s	IC ZA4041
IC171	8-759-389-48	s	IC 74LCX16374MTDX
IC172	8-759-389-48	s	IC 74LCX16374MTDX
IC173	8-759-456-26	s	IC 74LCX541MTCX
IC174	8-759-499-65	o	IC EPM7032-DUST-V1
IC175	8-759-523-49	s	IC TC74ACT541FT(EL)
IC176	8-759-523-49	s	IC TC74ACT541FT(EL)
IC177	8-759-389-48	s	IC 74LCX16374MTDX
IC178	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC179	8-759-466-56	s	IC 74LCX86MTCX
IC180	8-759-523-49	s	IC TC74ACT541FT(EL)
IC181	8-759-523-49	s	IC TC74ACT541FT(EL)
IC182	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC183	8-759-531-43	o	IC WS57C51-SIN MSB
IC184	8-759-389-48	s	IC 74LCX16374MTDX
IC185	8-759-389-48	s	IC 74LCX16374MTDX
IC186	8-759-505-00	s	IC CXD8052Q
IC187	8-759-389-48	s	IC 74LCX16374MTDX
IC188	8-759-466-63	s	IC CXD8895Q
IC189	8-759-389-48	s	IC 74LCX16374MTDX
IC190	8-759-531-44	o	IC WS57C71-ENH LSB
IC191	8-759-531-45	o	IC WS57C71-ENH MSB
IC192	8-759-466-56	s	IC 74LCX86MTCX
IC193	8-759-523-49	s	IC TC74ACT541FT(EL)
IC194	8-759-523-49	s	IC TC74ACT541FT(EL)
IC195	8-759-505-08	s	IC CXD8060Q
IC196	8-759-505-08	s	IC CXD8060Q
IC197	8-759-360-61	s	IC CXD8848AQ
IC198	8-759-360-61	s	IC CXD8848AQ
IC199	8-759-389-48	s	IC 74LCX16374MTDX
IC200	8-759-389-48	s	IC 74LCX16374MTDX
IC201	8-759-389-48	s	IC 74LCX16374MTDX

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Ref. No. or Q'ty	Part No.	SP	Description
IC202	8-759-531-42	o	IC WS57C51-SIN LSB
IC203	8-759-469-98	s	IC CAT93C66K-LE10
IC204	8-759-271-82	s	IC DS3695ATM
IC205	8-759-523-49	s	IC TC74ACT541FT(EL)
IC206	8-759-456-26	s	IC 74LCX541MTCX
IC207	8-759-389-48	s	IC 74LCX16374MTDX
IC208	8-759-505-09	s	IC CXD8061
IC209	8-759-389-48	s	IC 74LCX16374MTDX
IS34	1-540-151-21	s	SOCKET, IC 32P
IS39	1-540-151-21	s	SOCKET, IC 32P
IS61	1-540-151-21	s	SOCKET, IC 32P
IS66	1-540-151-21	s	SOCKET, IC 32P
IS67	1-540-151-21	s	SOCKET, IC 32P
IS79	1-540-151-21	s	SOCKET, IC 32P
IS101	1-540-151-21	s	SOCKET, IC 32P
IS103	1-540-151-21	s	SOCKET, IC 32P
IS104	1-540-151-21	s	SOCKET, IC 32P
IS132	1-540-151-21	s	SOCKET, IC 32P
IS142	1-540-151-21	s	SOCKET, IC 32P
IS148	1-540-151-21	s	SOCKET, IC 32P
IS149	1-540-151-21	s	SOCKET, IC 32P
IS166	1-540-151-21	s	SOCKET, IC 32P
IS174	1-251-047-11	s	SOCKET, IC 44P
IS183	1-540-151-21	s	SOCKET, IC 32P
IS190	1-540-151-21	s	SOCKET, IC 32P
IS191	1-540-151-21	s	SOCKET, IC 32P
IS202	1-540-151-21	s	SOCKET, IC 32P
R1	1-216-295-91	s	RES, CHIP 0
R2	1-216-295-91	s	RES, CHIP 0
R3	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R4	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R5	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R6	1-216-295-91	s	RES, CHIP 0
R7	1-216-295-91	s	RES, CHIP 0
R8	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R12	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R14	1-216-295-91	s	RES, CHIP 0
R16	1-216-295-91	s	RES, CHIP 0
R18	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R20	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R21	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R24	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R25	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R27	1-216-295-91	s	RES, CHIP 0
R28	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R29	1-216-295-91	s	RES, CHIP 0
R30	1-216-295-91	s	RES, CHIP 0
R31	1-216-295-91	s	RES, CHIP 0
R32	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R35	1-216-295-91	s	RES, CHIP 0
R36	1-216-295-91	s	RES, CHIP 0
R37	1-216-295-91	s	RES, CHIP 0
R38	1-216-295-91	s	RES, CHIP 0
R39	1-216-295-91	s	RES, CHIP 0
R41	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R42	1-216-295-91	s	RES, CHIP 0
R44	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R45	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R47	1-216-295-91	s	RES, CHIP 0
R50	1-216-295-91	s	RES, CHIP 0
R51	1-216-295-91	s	RES, CHIP 0
R52	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R53	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R56	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R58	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R59	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R61	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R62	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R64	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R66	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R68	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R70	1-216-295-91	s	RES, CHIP 0
R71	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R73	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R76	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R77	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R79	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R80	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R84	1-216-295-91	s	RES, CHIP 0
R85	1-216-295-91	s	RES, CHIP 0
R86	1-216-295-91	s	RES, CHIP 0
R88	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R89	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R92	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R93	1-216-295-91	s	RES, CHIP 0
R96	1-216-295-91	s	RES, CHIP 0
R97	1-216-295-91	s	RES, CHIP 0
R98	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R99	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R100	1-216-295-91	s	RES, CHIP 0
R102	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R103	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R104	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R108	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R109	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R111	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R112	1-216-295-91	s	RES, CHIP 0
R113	1-216-295-91	s	RES, CHIP 0
R114	1-216-295-91	s	RES, CHIP 0
R115	1-216-295-91	s	RES, CHIP 0
R117	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R118	1-216-295-91	s	RES, CHIP 0
R119	1-216-295-91	s	RES, CHIP 0
R120	1-216-295-91	s	RES, CHIP 0
R121	1-216-295-91	s	RES, CHIP 0
R122	1-216-295-91	s	RES, CHIP 0
R124	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R126	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R127	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R129	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R131	1-216-651-11	s	METAL, CHIP 1K 0.5% 1/10W
R132	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R134	1-216-295-91	s	RES, CHIP 0
R135	1-216-295-91	s	RES, CHIP 0
R136	1-216-295-91	s	RES, CHIP 0
R137	1-216-295-91	s	RES, CHIP 0
R138	1-216-295-91	s	RES, CHIP 0

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Ref. No. or Q'ty	Part No.	SP	Description
R139	1-216-295-91	s	RES, CHIP 0
R140	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R141	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R142	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R143	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R146	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R151	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R152	1-216-295-91	s	RES, CHIP 0
R153	1-216-295-91	s	RES, CHIP 0
R154	1-216-295-91	s	RES, CHIP 0
R156	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R157	1-216-295-91	s	RES, CHIP 0
R158	1-216-295-91	s	RES, CHIP 0
R160	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R161	1-216-295-91	s	RES, CHIP 0
R162	1-216-295-91	s	RES, CHIP 0
R163	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R165	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R167	1-216-295-91	s	RES, CHIP 0
R168	1-216-295-91	s	RES, CHIP 0
R169	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R170	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R173	1-216-295-91	s	RES, CHIP 0
R174	1-216-295-91	s	RES, CHIP 0
R175	1-216-295-91	s	RES, CHIP 0
R176	1-216-295-91	s	RES, CHIP 0
R177	1-216-295-91	s	RES, CHIP 0
R178	1-216-295-91	s	RES, CHIP 0
R179	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R181	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R182	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
RB1	1-233-448-11	s	RES, CHIP NETWORK 22
RB2	1-233-448-11	s	RES, CHIP NETWORK 22
RB3	1-233-448-11	s	RES, CHIP NETWORK 22
RB4	1-233-448-11	s	RES, CHIP NETWORK 22
RB5	1-233-448-11	s	RES, CHIP NETWORK 22
RB6	1-233-448-11	s	RES, CHIP NETWORK 22
RB7	1-233-448-11	s	RES, CHIP NETWORK 22
RB8	1-233-448-11	s	RES, CHIP NETWORK 22
RB9	1-233-448-11	s	RES, CHIP NETWORK 22
RB10	1-233-448-11	s	RES, CHIP NETWORK 22
RB11	1-233-448-11	s	RES, CHIP NETWORK 22
RB12	1-233-448-11	s	RES, CHIP NETWORK 22
RB13	1-233-448-11	s	RES, CHIP NETWORK 22
RB14	1-233-448-11	s	RES, CHIP NETWORK 22
RB15	1-233-448-11	s	RES, CHIP NETWORK 22
RB16	1-233-448-11	s	RES, CHIP NETWORK 22
RB17	1-233-448-11	s	RES, CHIP NETWORK 22
RB18	1-233-448-11	s	RES, CHIP NETWORK 22
RB19	1-233-448-11	s	RES, CHIP NETWORK 22
RB20	1-233-448-11	s	RES, CHIP NETWORK 22
RB21	1-233-448-11	s	RES, CHIP NETWORK 22
RB22	1-233-448-11	s	RES, CHIP NETWORK 22
RB23	1-233-448-11	s	RES, CHIP NETWORK 22
RB24	1-233-448-11	s	RES, CHIP NETWORK 22
RB25	1-233-448-11	s	RES, CHIP NETWORK 22
RB26	1-233-448-11	s	RES, CHIP NETWORK 22
RB27	1-233-448-11	s	RES, CHIP NETWORK 22

(WKG-25 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
RB28	1-233-448-11	s	RES, CHIP NETWORK 22
RB29	1-233-448-11	s	RES, CHIP NETWORK 22
RB30	1-233-448-11	s	RES, CHIP NETWORK 22
RB31	1-233-448-11	s	RES, CHIP NETWORK 22
RB32	1-233-448-11	s	RES, CHIP NETWORK 22
RB33	1-233-448-11	s	RES, CHIP NETWORK 22
RB34	1-233-448-11	s	RES, CHIP NETWORK 22
RB35	1-233-448-11	s	RES, CHIP NETWORK 22
RB36	1-233-448-11	s	RES, CHIP NETWORK 22
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB39	1-233-448-11	s	RES, CHIP NETWORK 22
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB41	1-233-448-11	s	RES, CHIP NETWORK 22
RB42	1-233-448-11	s	RES, CHIP NETWORK 22
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB45	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB47	1-233-448-11	s	RES, CHIP NETWORK 22
RB48	1-233-448-11	s	RES, CHIP NETWORK 22
RB49	1-233-448-11	s	RES, CHIP NETWORK 22
RB50	1-233-448-11	s	RES, CHIP NETWORK 22
RB51	1-233-448-11	s	RES, CHIP NETWORK 22
RB52	1-233-448-11	s	RES, CHIP NETWORK 22
RB53	1-233-448-11	s	RES, CHIP NETWORK 22
RB54	1-233-448-11	s	RES, CHIP NETWORK 22
RB55	1-233-448-11	s	RES, CHIP NETWORK 22
RB56	1-233-448-11	s	RES, CHIP NETWORK 22
RB57	1-233-448-11	s	RES, CHIP NETWORK 22
RB58	1-233-448-11	s	RES, CHIP NETWORK 22
RB59	1-233-448-11	s	RES, CHIP NETWORK 22
RB60	1-233-448-11	s	RES, CHIP NETWORK 22
RB61	1-233-448-11	s	RES, CHIP NETWORK 22
RB62	1-233-448-11	s	RES, CHIP NETWORK 22
RB63	1-233-448-11	s	RES, CHIP NETWORK 22
RB64	1-233-448-11	s	RES, CHIP NETWORK 22
RB65	1-233-448-11	s	RES, CHIP NETWORK 22
RB66	1-233-448-11	s	RES, CHIP NETWORK 22
RB67	1-233-448-11	s	RES, CHIP NETWORK 22
RB68	1-233-448-11	s	RES, CHIP NETWORK 22
RB69	1-233-448-11	s	RES, CHIP NETWORK 22
RB70	1-233-448-11	s	RES, CHIP NETWORK 22
RB71	1-233-448-11	s	RES, CHIP NETWORK 22
RB72	1-233-448-11	s	RES, CHIP NETWORK 22
RB73	1-233-448-11	s	RES, CHIP NETWORK 22
RB74	1-233-448-11	s	RES, CHIP NETWORK 22
RB75	1-233-448-11	s	RES, CHIP NETWORK 22
RB76	1-233-448-11	s	RES, CHIP NETWORK 22
RB77	1-233-448-11	s	RES, CHIP NETWORK 22
RB78	1-233-448-11	s	RES, CHIP NETWORK 22
RB79	1-233-448-11	s	RES, CHIP NETWORK 22
RB80	1-233-448-11	s	RES, CHIP NETWORK 22
RB81	1-233-448-11	s	RES, CHIP NETWORK 22
RB82	1-233-448-11	s	RES, CHIP NETWORK 22
RB83	1-233-448-11	s	RES, CHIP NETWORK 22
RB84	1-233-448-11	s	RES, CHIP NETWORK 22
RB85	1-233-448-11	s	RES, CHIP NETWORK 22
RB86	1-233-448-11	s	RES, CHIP NETWORK 22

WKG-26 BOARD

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8317-494-A	o	MOUNTED CIRCUIT BOARD, WKG-26
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-163-038-91	s	CERAMIC 0.1uF 25V
C25	1-163-038-91	s	CERAMIC 0.1uF 25V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-117-372-11	s	TANTALUM 100uF 20% 10V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C43	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C44	1-163-038-91	s	CERAMIC 0.1uF 25V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C47	1-117-372-11	s	TANTALUM 100uF 20% 10V
C48	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-163-038-91	s	CERAMIC 0.1uF 25V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V

(WKG-26 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
IC1	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC2	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC3	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC4	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC5	8-759-271-82	s	IC DS3695ATM
IC6	8-759-389-30	s	IC 74LCX32MTCX
IC7	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC8	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC9	8-759-389-26	s	IC 74LCX08MTCX
IC10	8-759-469-98	s	IC CAT93C66K-LE10
IC11	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC12	8-759-386-28	s	IC 74LCX00MTCX
IC13	8-759-528-40	s	IC IDT74FCT163CTSO-TL
IC14	8-759-456-26	s	IC 74LCX541MTCX
IC15	8-759-386-27	s	IC 74LCX04MTCX
IC16	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC17	8-759-505-00	s	IC CXD8052Q
IC18	8-759-386-26	s	IC 74LCX574MTCX
IC19	8-759-456-26	s	IC 74LCX541MTCX
IC20	8-759-456-26	s	IC 74LCX541MTCX
IC21	8-759-360-61	s	IC CXD8848AQ
IC22	8-759-360-61	s	IC CXD8848AQ
IC23	8-759-360-61	s	IC CXD8848AQ
IC24	8-759-360-61	s	IC CXD8848AQ
R1	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R3	1-216-295-91	s	RES, CHIP 0
R4	1-216-295-91	s	RES, CHIP 0
R6	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R7	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R8	1-216-295-91	s	RES, CHIP 0
R9	1-216-295-91	s	RES, CHIP 0
R10	1-216-295-91	s	RES, CHIP 0
R11	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R12	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R13	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R14	1-216-295-91	s	RES, CHIP 0
R15	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R16	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R17	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R18	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R19	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R20	1-216-295-91	s	RES, CHIP 0

(WKG-26 BOARD)

Ref. No. or Q'ty	Part No.	SP	Description
R21	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R22	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R23	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R24	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R25	1-216-295-91	s	RES, CHIP 0
R26	1-216-295-91	s	RES, CHIP 0
R27	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R28	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R29	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R30	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R31	1-216-295-91	s	RES, CHIP 0
R32	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R33	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R34	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R35	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R36	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R37	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R38	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R39	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R40	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R41	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R42	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R43	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R44	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R45	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R47	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R48	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R49	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R50	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R51	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R52	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R53	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R54	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R55	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R56	1-216-295-91	s	RES, CHIP 0
R57	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R58	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R59	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R60	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R61	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R63	1-216-295-91	s	RES, CHIP 0
R64	1-216-295-91	s	RES, CHIP 0
R65	1-216-295-91	s	RES, CHIP 0
R66	1-216-295-91	s	RES, CHIP 0
R67	1-216-295-91	s	RES, CHIP 0
R68	1-216-295-91	s	RES, CHIP 0
R69	1-216-295-91	s	RES, CHIP 0
R71	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
RB2	1-233-448-11	s	RES, CHIP NETWORK 22
RB3	1-233-448-11	s	RES, CHIP NETWORK 22
RB4	1-233-448-11	s	RES, CHIP NETWORK 22
RB5	1-233-448-11	s	RES, CHIP NETWORK 22

CRK-9 BOARD(HKDS-7031)

Ref. No. or Q'ty	Part No.	SP	Description
2pcs	3-194-878-01	s	LEVER, PC BOARD
14pcs	4-886-821-11	s	SCREW, S TIGHT, +PTTWH 3x6
10pcs	7-621-773-87	s	SCREW +B 2.6x10
2pcs	7-622-207-05	s	N 2.6, TYPE 2
2pcs	7-626-320-11	s	PIN, SPRING 3x8
C1	1-163-038-91	s	CERAMIC 0.1uF 25V
C2	1-163-038-91	s	CERAMIC 0.1uF 25V
C3	1-163-038-91	s	CERAMIC 0.1uF 25V
C4	1-163-038-91	s	CERAMIC 0.1uF 25V
C5	1-163-038-91	s	CERAMIC 0.1uF 25V
C6	1-163-038-91	s	CERAMIC 0.1uF 25V
C7	1-163-038-91	s	CERAMIC 0.1uF 25V
C8	1-163-038-91	s	CERAMIC 0.1uF 25V
C9	1-163-038-91	s	CERAMIC 0.1uF 25V
C10	1-163-038-91	s	CERAMIC 0.1uF 25V
C11	1-163-038-91	s	CERAMIC 0.1uF 25V
C12	1-163-038-91	s	CERAMIC 0.1uF 25V
C13	1-163-038-91	s	CERAMIC 0.1uF 25V
C14	1-163-038-91	s	CERAMIC 0.1uF 25V
C15	1-163-038-91	s	CERAMIC 0.1uF 25V
C16	1-163-038-91	s	CERAMIC 0.1uF 25V
C17	1-163-038-91	s	CERAMIC 0.1uF 25V
C18	1-163-038-91	s	CERAMIC 0.1uF 25V
C19	1-163-038-91	s	CERAMIC 0.1uF 25V
C20	1-163-038-91	s	CERAMIC 0.1uF 25V
C21	1-163-038-91	s	CERAMIC 0.1uF 25V
C22	1-163-038-91	s	CERAMIC 0.1uF 25V
C23	1-163-038-91	s	CERAMIC 0.1uF 25V
C24	1-128-401-11	s	ELECT 100uF 20% 25V
C25	1-128-401-11	s	ELECT 100uF 20% 25V
C26	1-163-038-91	s	CERAMIC 0.1uF 25V
C27	1-163-038-91	s	CERAMIC 0.1uF 25V
C28	1-163-038-91	s	CERAMIC 0.1uF 25V
C29	1-163-038-91	s	CERAMIC 0.1uF 25V
C30	1-163-038-91	s	CERAMIC 0.1uF 25V
C31	1-163-038-91	s	CERAMIC 0.1uF 25V
C32	1-163-038-91	s	CERAMIC 0.1uF 25V
C33	1-163-038-91	s	CERAMIC 0.1uF 25V
C34	1-163-038-91	s	CERAMIC 0.1uF 25V
C35	1-163-038-91	s	CERAMIC 0.1uF 25V
C36	1-163-038-91	s	CERAMIC 0.1uF 25V
C37	1-163-038-91	s	CERAMIC 0.1uF 25V
C38	1-163-038-91	s	CERAMIC 0.1uF 25V
C39	1-163-038-91	s	CERAMIC 0.1uF 25V
C40	1-163-038-91	s	CERAMIC 0.1uF 25V
C41	1-163-038-91	s	CERAMIC 0.1uF 25V
C42	1-163-038-91	s	CERAMIC 0.1uF 25V
C44	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C45	1-163-038-91	s	CERAMIC 0.1uF 25V
C46	1-163-038-91	s	CERAMIC 0.1uF 25V
C49	1-163-038-91	s	CERAMIC 0.1uF 25V
C50	1-163-038-91	s	CERAMIC 0.1uF 25V
C51	1-163-038-91	s	CERAMIC 0.1uF 25V
C52	1-163-038-91	s	CERAMIC 0.1uF 25V
C53	1-163-038-91	s	CERAMIC 0.1uF 25V
C54	1-163-038-91	s	CERAMIC 0.1uF 25V
C55	1-163-038-91	s	CERAMIC 0.1uF 25V
C56	1-163-038-91	s	CERAMIC 0.1uF 25V
C57	1-163-038-91	s	CERAMIC 0.1uF 25V

(CRK-9 BOARD(HKDS-7031))

Ref. No. or Q'ty	Part No.	SP	Description
C58	1-163-038-91	s	CERAMIC 0.1uF 25V
C59	1-163-038-91	s	CERAMIC 0.1uF 25V
C60	1-163-038-91	s	CERAMIC 0.1uF 25V
C61	1-163-038-91	s	CERAMIC 0.1uF 25V
C62	1-163-038-91	s	CERAMIC 0.1uF 25V
C63	1-163-038-91	s	CERAMIC 0.1uF 25V
C64	1-163-038-91	s	CERAMIC 0.1uF 25V
C65	1-163-038-91	s	CERAMIC 0.1uF 25V
C66	1-163-038-91	s	CERAMIC 0.1uF 25V
C67	1-163-038-91	s	CERAMIC 0.1uF 25V
C68	1-163-038-91	s	CERAMIC 0.1uF 25V
C69	1-163-038-91	s	CERAMIC 0.1uF 25V
C70	1-163-038-91	s	CERAMIC 0.1uF 25V
C71	1-163-038-91	s	CERAMIC 0.1uF 25V
C72	1-163-038-91	s	CERAMIC 0.1uF 25V
C73	1-163-038-91	s	CERAMIC 0.1uF 25V
C74	1-163-038-91	s	CERAMIC 0.1uF 25V
C75	1-163-038-91	s	CERAMIC 0.1uF 25V
C76	1-163-038-91	s	CERAMIC 0.1uF 25V
C77	1-163-038-91	s	CERAMIC 0.1uF 25V
C78	1-163-038-91	s	CERAMIC 0.1uF 25V
C79	1-163-038-91	s	CERAMIC 0.1uF 25V
C80	1-163-038-91	s	CERAMIC 0.1uF 25V
C81	1-163-038-91	s	CERAMIC 0.1uF 25V
C82	1-163-038-91	s	CERAMIC 0.1uF 25V
C83	1-163-038-91	s	CERAMIC 0.1uF 25V
C84	1-163-038-91	s	CERAMIC 0.1uF 25V
C85	1-163-038-91	s	CERAMIC 0.1uF 25V
C86	1-163-038-91	s	CERAMIC 0.1uF 25V
C87	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C88	1-163-038-91	s	CERAMIC 0.1uF 25V
C89	1-163-038-91	s	CERAMIC 0.1uF 25V
C90	1-163-038-91	s	CERAMIC 0.1uF 25V
C91	1-163-038-91	s	CERAMIC 0.1uF 25V
C92	1-163-038-91	s	CERAMIC 0.1uF 25V
C93	1-163-038-91	s	CERAMIC 0.1uF 25V
C94	1-126-396-11	s	ELECT, CHIP 47uF 20% 16V
C95	1-163-038-91	s	CERAMIC 0.1uF 25V
C96	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C97	1-163-038-91	s	CERAMIC 0.1uF 25V
C98	1-163-038-91	s	CERAMIC 0.1uF 25V
C99	1-163-038-91	s	CERAMIC 0.1uF 25V
C100	1-163-038-91	s	CERAMIC 0.1uF 25V
C101	1-163-038-91	s	CERAMIC 0.1uF 25V
C102	1-163-038-91	s	CERAMIC 0.1uF 25V
C103	1-163-038-91	s	CERAMIC 0.1uF 25V
C104	1-163-038-91	s	CERAMIC 0.1uF 25V
C105	1-163-038-91	s	CERAMIC 0.1uF 25V
C106	1-163-038-91	s	CERAMIC 0.1uF 25V
C107	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C108	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C109	1-163-038-91	s	CERAMIC 0.1uF 25V
C110	1-163-038-91	s	CERAMIC 0.1uF 25V
C111	1-163-038-91	s	CERAMIC 0.1uF 25V
C112	1-163-038-91	s	CERAMIC 0.1uF 25V
C113	1-163-038-91	s	CERAMIC 0.1uF 25V
C114	1-163-038-91	s	CERAMIC 0.1uF 25V
C115	1-163-038-91	s	CERAMIC 0.1uF 25V
C116	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C117	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C118	1-163-021-91	s	CERAMIC 0.01uF 10% 50V
C119	1-163-038-91	s	CERAMIC 0.1uF 25V
C120	1-163-038-91	s	CERAMIC 0.1uF 25V
C121	1-163-038-91	s	CERAMIC 0.1uF 25V
C123	1-163-038-91	s	CERAMIC 0.1uF 25V
C124	1-163-038-91	s	CERAMIC 0.1uF 25V
C125	1-163-038-91	s	CERAMIC 0.1uF 25V
C126	1-163-038-91	s	CERAMIC 0.1uF 25V
C127	1-163-038-91	s	CERAMIC 0.1uF 25V
C128	1-163-038-91	s	CERAMIC 0.1uF 25V
C129	1-163-038-91	s	CERAMIC 0.1uF 25V
C130	1-163-038-91	s	CERAMIC 0.1uF 25V
C131	1-163-038-91	s	CERAMIC 0.1uF 25V
C132	1-163-038-91	s	CERAMIC 0.1uF 25V
C133	1-163-038-91	s	CERAMIC 0.1uF 25V
C134	1-163-038-91	s	CERAMIC 0.1uF 25V
C135	1-163-038-91	s	CERAMIC 0.1uF 25V
C136	1-163-038-91	s	CERAMIC 0.1uF 25V
C137	1-163-038-91	s	CERAMIC 0.1uF 25V
C138	1-163-038-91	s	CERAMIC 0.1uF 25V
C139	1-163-038-91	s	CERAMIC 0.1uF 25V
C140	1-163-038-91	s	CERAMIC 0.1uF 25V
C141	1-163-038-91	s	CERAMIC 0.1uF 25V
C142	1-163-038-91	s	CERAMIC 0.1uF 25V
C143	1-163-038-91	s	CERAMIC 0.1uF 25V
C144	1-163-038-91	s	CERAMIC 0.1uF 25V
C145	1-163-038-91	s	CERAMIC 0.1uF 25V
C146	1-163-038-91	s	CERAMIC 0.1uF 25V
C147	1-163-038-91	s	CERAMIC 0.1uF 25V
C148	1-163-038-91	s	CERAMIC 0.1uF 25V
C149	1-163-038-91	s	CERAMIC 0.1uF 25V
C150	1-163-038-91	s	CERAMIC 0.1uF 25V
C151	1-163-038-91	s	CERAMIC 0.1uF 25V
C152	1-163-038-91	s	CERAMIC 0.1uF 25V
C153	1-163-038-91	s	CERAMIC 0.1uF 25V
C154	1-163-038-91	s	CERAMIC 0.1uF 25V
C155	1-163-038-91	s	CERAMIC 0.1uF 25V
C156	1-163-038-91	s	CERAMIC 0.1uF 25V
C157	1-163-038-91	s	CERAMIC 0.1uF 25V
C158	1-163-038-91	s	CERAMIC 0.1uF 25V
C159	1-163-038-91	s	CERAMIC 0.1uF 25V
C160	1-163-038-91	s	CERAMIC 0.1uF 25V
C161	1-163-038-91	s	CERAMIC 0.1uF 25V
C162	1-163-038-91	s	CERAMIC 0.1uF 25V
C163	1-163-038-91	s	CERAMIC 0.1uF 25V
C164	1-163-038-91	s	CERAMIC 0.1uF 25V
C165	1-163-038-91	s	CERAMIC 0.1uF 25V
C166	1-163-038-91	s	CERAMIC 0.1uF 25V
C167	1-163-038-91	s	CERAMIC 0.1uF 25V
C168	1-163-038-91	s	CERAMIC 0.1uF 25V
C169	1-163-038-91	s	CERAMIC 0.1uF 25V
C170	1-163-038-91	s	CERAMIC 0.1uF 25V
C171	1-163-038-91	s	CERAMIC 0.1uF 25V
C172	1-163-038-91	s	CERAMIC 0.1uF 25V
C173	1-163-038-91	s	CERAMIC 0.1uF 25V
C174	1-163-038-91	s	CERAMIC 0.1uF 25V
C175	1-163-038-91	s	CERAMIC 0.1uF 25V
C176	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C177	1-163-038-91	s	CERAMIC 0.1uF 25V
C178	1-163-038-91	s	CERAMIC 0.1uF 25V
C179	1-163-038-91	s	CERAMIC 0.1uF 25V
C180	1-163-038-91	s	CERAMIC 0.1uF 25V
C181	1-163-038-91	s	CERAMIC 0.1uF 25V
C182	1-163-038-91	s	CERAMIC 0.1uF 25V
C183	1-163-038-91	s	CERAMIC 0.1uF 25V
C184	1-163-038-91	s	CERAMIC 0.1uF 25V
C185	1-163-038-91	s	CERAMIC 0.1uF 25V
C186	1-163-038-91	s	CERAMIC 0.1uF 25V
C187	1-163-038-91	s	CERAMIC 0.1uF 25V
C188	1-163-038-91	s	CERAMIC 0.1uF 25V
C189	1-163-038-91	s	CERAMIC 0.1uF 25V
C190	1-163-038-91	s	CERAMIC 0.1uF 25V
C191	1-163-038-91	s	CERAMIC 0.1uF 25V
C192	1-163-038-91	s	CERAMIC 0.1uF 25V
C193	1-163-038-91	s	CERAMIC 0.1uF 25V
C194	1-163-038-91	s	CERAMIC 0.1uF 25V
C195	1-163-038-91	s	CERAMIC 0.1uF 25V
C196	1-163-038-91	s	CERAMIC 0.1uF 25V
C197	1-163-038-91	s	CERAMIC 0.1uF 25V
C198	1-163-038-91	s	CERAMIC 0.1uF 25V
C199	1-163-038-91	s	CERAMIC 0.1uF 25V
C200	1-163-038-91	s	CERAMIC 0.1uF 25V
C201	1-163-038-91	s	CERAMIC 0.1uF 25V
C202	1-163-038-91	s	CERAMIC 0.1uF 25V
C203	1-163-038-91	s	CERAMIC 0.1uF 25V
C204	1-163-038-91	s	CERAMIC 0.1uF 25V
C205	1-163-038-91	s	CERAMIC 0.1uF 25V
C206	1-163-038-91	s	CERAMIC 0.1uF 25V
C207	1-163-038-91	s	CERAMIC 0.1uF 25V
C208	1-163-038-91	s	CERAMIC 0.1uF 25V
C209	1-163-038-91	s	CERAMIC 0.1uF 25V
C210	1-163-038-91	s	CERAMIC 0.1uF 25V
C211	1-163-038-91	s	CERAMIC 0.1uF 25V
C502	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C503	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C504	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C505	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C506	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C507	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C508	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C509	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C510	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C511	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C512	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C513	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C514	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C515	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C516	1-163-038-91	s	CERAMIC 0.1uF 25V
C517	1-163-038-91	s	CERAMIC 0.1uF 25V
C518	1-163-038-91	s	CERAMIC 0.1uF 25V
C519	1-163-038-91	s	CERAMIC 0.1uF 25V
C520	1-163-038-91	s	CERAMIC 0.1uF 25V
C521	1-163-038-91	s	CERAMIC 0.1uF 25V
C522	1-163-038-91	s	CERAMIC 0.1uF 25V
C523	1-163-038-91	s	CERAMIC 0.1uF 25V
C524	1-163-038-91	s	CERAMIC 0.1uF 25V
C525	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C526	1-163-038-91	s	CERAMIC 0.1uF 25V
C527	1-163-038-91	s	CERAMIC 0.1uF 25V
C528	1-163-038-91	s	CERAMIC 0.1uF 25V
C529	1-163-038-91	s	CERAMIC 0.1uF 25V
C530	1-163-038-91	s	CERAMIC 0.1uF 25V
C531	1-163-038-91	s	CERAMIC 0.1uF 25V
C532	1-163-038-91	s	CERAMIC 0.1uF 25V
C533	1-163-038-91	s	CERAMIC 0.1uF 25V
C534	1-163-038-91	s	CERAMIC 0.1uF 25V
C535	1-163-038-91	s	CERAMIC 0.1uF 25V
C536	1-163-038-91	s	CERAMIC 0.1uF 25V
C537	1-163-038-91	s	CERAMIC 0.1uF 25V
C538	1-163-038-91	s	CERAMIC 0.1uF 25V
C539	1-163-038-91	s	CERAMIC 0.1uF 25V
C540	1-163-038-91	s	CERAMIC 0.1uF 25V
C541	1-163-038-91	s	CERAMIC 0.1uF 25V
C542	1-163-038-91	s	CERAMIC 0.1uF 25V
C543	1-163-038-91	s	CERAMIC 0.1uF 25V
C544	1-163-038-91	s	CERAMIC 0.1uF 25V
C545	1-163-038-91	s	CERAMIC 0.1uF 25V
C546	1-163-038-91	s	CERAMIC 0.1uF 25V
C547	1-163-038-91	s	CERAMIC 0.1uF 25V
C548	1-163-038-91	s	CERAMIC 0.1uF 25V
C549	1-163-038-91	s	CERAMIC 0.1uF 25V
C550	1-163-038-91	s	CERAMIC 0.1uF 25V
C551	1-163-038-91	s	CERAMIC 0.1uF 25V
C552	1-163-038-91	s	CERAMIC 0.1uF 25V
C553	1-163-038-91	s	CERAMIC 0.1uF 25V
C554	1-163-038-91	s	CERAMIC 0.1uF 25V
C555	1-163-038-91	s	CERAMIC 0.1uF 25V
C556	1-163-038-91	s	CERAMIC 0.1uF 25V
C557	1-163-038-91	s	CERAMIC 0.1uF 25V
C558	1-163-038-91	s	CERAMIC 0.1uF 25V
C559	1-163-038-91	s	CERAMIC 0.1uF 25V
C560	1-163-038-91	s	CERAMIC 0.1uF 25V
C561	1-163-038-91	s	CERAMIC 0.1uF 25V
C562	1-163-038-91	s	CERAMIC 0.1uF 25V
C563	1-163-038-91	s	CERAMIC 0.1uF 25V
C564	1-163-038-91	s	CERAMIC 0.1uF 25V
C565	1-163-038-91	s	CERAMIC 0.1uF 25V
C566	1-163-038-91	s	CERAMIC 0.1uF 25V
C567	1-163-038-91	s	CERAMIC 0.1uF 25V
C568	1-163-038-91	s	CERAMIC 0.1uF 25V
C569	1-163-038-91	s	CERAMIC 0.1uF 25V
C570	1-163-038-91	s	CERAMIC 0.1uF 25V
C571	1-163-038-91	s	CERAMIC 0.1uF 25V
C572	1-163-038-91	s	CERAMIC 0.1uF 25V
C573	1-163-038-91	s	CERAMIC 0.1uF 25V
C574	1-163-038-91	s	CERAMIC 0.1uF 25V
C575	1-163-038-91	s	CERAMIC 0.1uF 25V
C576	1-163-038-91	s	CERAMIC 0.1uF 25V
C578	1-163-038-91	s	CERAMIC 0.1uF 25V
C579	1-163-038-91	s	CERAMIC 0.1uF 25V
C580	1-163-038-91	s	CERAMIC 0.1uF 25V
C581	1-163-038-91	s	CERAMIC 0.1uF 25V
C582	1-163-038-91	s	CERAMIC 0.1uF 25V
C583	1-163-038-91	s	CERAMIC 0.1uF 25V
C584	1-163-038-91	s	CERAMIC 0.1uF 25V
C585	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C588	1-163-038-91	s	CERAMIC 0.1uF 25V
C589	1-163-038-91	s	CERAMIC 0.1uF 25V
C590	1-163-038-91	s	CERAMIC 0.1uF 25V
C591	1-163-038-91	s	CERAMIC 0.1uF 25V
C592	1-163-038-91	s	CERAMIC 0.1uF 25V
C593	1-163-038-91	s	CERAMIC 0.1uF 25V
C594	1-163-038-91	s	CERAMIC 0.1uF 25V
C595	1-163-038-91	s	CERAMIC 0.1uF 25V
C596	1-163-038-91	s	CERAMIC 0.1uF 25V
C597	1-163-038-91	s	CERAMIC 0.1uF 25V
C598	1-163-038-91	s	CERAMIC 0.1uF 25V
C599	1-163-038-91	s	CERAMIC 0.1uF 25V
C600	1-163-038-91	s	CERAMIC 0.1uF 25V
C601	1-163-038-91	s	CERAMIC 0.1uF 25V
C602	1-163-038-91	s	CERAMIC 0.1uF 25V
C603	1-163-038-91	s	CERAMIC 0.1uF 25V
C604	1-163-038-91	s	CERAMIC 0.1uF 25V
C605	1-163-038-91	s	CERAMIC 0.1uF 25V
C606	1-163-038-91	s	CERAMIC 0.1uF 25V
C607	1-163-038-91	s	CERAMIC 0.1uF 25V
C608	1-163-038-91	s	CERAMIC 0.1uF 25V
C609	1-163-038-91	s	CERAMIC 0.1uF 25V
C610	1-163-038-91	s	CERAMIC 0.1uF 25V
C611	1-163-038-91	s	CERAMIC 0.1uF 25V
C612	1-163-038-91	s	CERAMIC 0.1uF 25V
C613	1-163-038-91	s	CERAMIC 0.1uF 25V
C614	1-163-038-91	s	CERAMIC 0.1uF 25V
C615	1-163-038-91	s	CERAMIC 0.1uF 25V
C616	1-163-038-91	s	CERAMIC 0.1uF 25V
C617	1-163-038-91	s	CERAMIC 0.1uF 25V
C618	1-163-038-91	s	CERAMIC 0.1uF 25V
C619	1-163-038-91	s	CERAMIC 0.1uF 25V
C620	1-163-038-91	s	CERAMIC 0.1uF 25V
C621	1-163-038-91	s	CERAMIC 0.1uF 25V
C622	1-163-038-91	s	CERAMIC 0.1uF 25V
C623	1-163-038-91	s	CERAMIC 0.1uF 25V
C624	1-163-038-91	s	CERAMIC 0.1uF 25V
C625	1-163-038-91	s	CERAMIC 0.1uF 25V
C626	1-163-038-91	s	CERAMIC 0.1uF 25V
C627	1-163-038-91	s	CERAMIC 0.1uF 25V
C628	1-163-038-91	s	CERAMIC 0.1uF 25V
C629	1-163-038-91	s	CERAMIC 0.1uF 25V
C630	1-163-038-91	s	CERAMIC 0.1uF 25V
C631	1-163-038-91	s	CERAMIC 0.1uF 25V
C632	1-163-038-91	s	CERAMIC 0.1uF 25V
C633	1-163-038-91	s	CERAMIC 0.1uF 25V
C634	1-163-038-91	s	CERAMIC 0.1uF 25V
C635	1-163-038-91	s	CERAMIC 0.1uF 25V
C636	1-163-038-91	s	CERAMIC 0.1uF 25V
C637	1-163-038-91	s	CERAMIC 0.1uF 25V
C638	1-163-038-91	s	CERAMIC 0.1uF 25V
C639	1-163-038-91	s	CERAMIC 0.1uF 25V
C640	1-163-038-91	s	CERAMIC 0.1uF 25V
C641	1-163-038-91	s	CERAMIC 0.1uF 25V
C642	1-163-038-91	s	CERAMIC 0.1uF 25V
C643	1-163-038-91	s	CERAMIC 0.1uF 25V
C644	1-163-038-91	s	CERAMIC 0.1uF 25V
C645	1-163-038-91	s	CERAMIC 0.1uF 25V
C646	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C647	1-163-038-91	s	CERAMIC 0.1uF 25V
C648	1-163-038-91	s	CERAMIC 0.1uF 25V
C649	1-163-038-91	s	CERAMIC 0.1uF 25V
C650	1-163-038-91	s	CERAMIC 0.1uF 25V
C651	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C652	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C653	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C654	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C655	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C659	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C660	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C661	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C663	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C664	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C665	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C666	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C667	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C668	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C669	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C670	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C671	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C672	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C673	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C674	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C675	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C676	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C677	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C678	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C679	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C680	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C681	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C682	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C683	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C684	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C685	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C686	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C687	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C688	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C689	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C690	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C691	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C692	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C693	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C694	1-163-038-91	s	CERAMIC 0.1uF 25V
C695	1-163-038-91	s	CERAMIC 0.1uF 25V
C696	1-163-038-91	s	CERAMIC 0.1uF 25V
C697	1-163-038-91	s	CERAMIC 0.1uF 25V
C698	1-163-038-91	s	CERAMIC 0.1uF 25V
C699	1-163-038-91	s	CERAMIC 0.1uF 25V
C700	1-163-038-91	s	CERAMIC 0.1uF 25V
C701	1-163-038-91	s	CERAMIC 0.1uF 25V
C702	1-163-038-91	s	CERAMIC 0.1uF 25V
C703	1-163-038-91	s	CERAMIC 0.1uF 25V
C704	1-163-038-91	s	CERAMIC 0.1uF 25V
C705	1-163-038-91	s	CERAMIC 0.1uF 25V
C706	1-163-038-91	s	CERAMIC 0.1uF 25V
C707	1-163-038-91	s	CERAMIC 0.1uF 25V
C718	1-163-038-91	s	CERAMIC 0.1uF 25V
C750	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C751	1-163-038-91	s	CERAMIC 0.1uF 25V
C752	1-163-038-91	s	CERAMIC 0.1uF 25V
C753	1-163-038-91	s	CERAMIC 0.1uF 25V
C754	1-163-038-91	s	CERAMIC 0.1uF 25V
C755	1-163-038-91	s	CERAMIC 0.1uF 25V
C756	1-163-038-91	s	CERAMIC 0.1uF 25V
C757	1-163-038-91	s	CERAMIC 0.1uF 25V
C758	1-163-038-91	s	CERAMIC 0.1uF 25V
C759	1-163-038-91	s	CERAMIC 0.1uF 25V
C760	1-163-038-91	s	CERAMIC 0.1uF 25V
C761	1-163-038-91	s	CERAMIC 0.1uF 25V
C762	1-163-038-91	s	CERAMIC 0.1uF 25V
C763	1-163-038-91	s	CERAMIC 0.1uF 25V
C764	1-163-038-91	s	CERAMIC 0.1uF 25V
C765	1-163-038-91	s	CERAMIC 0.1uF 25V
C766	1-163-038-91	s	CERAMIC 0.1uF 25V
C767	1-163-038-91	s	CERAMIC 0.1uF 25V
C768	1-163-038-91	s	CERAMIC 0.1uF 25V
C769	1-163-038-91	s	CERAMIC 0.1uF 25V
C770	1-163-038-91	s	CERAMIC 0.1uF 25V
C771	1-163-038-91	s	CERAMIC 0.1uF 25V
C772	1-163-038-91	s	CERAMIC 0.1uF 25V
C773	1-163-038-91	s	CERAMIC 0.1uF 25V
C774	1-163-038-91	s	CERAMIC 0.1uF 25V
C775	1-163-038-91	s	CERAMIC 0.1uF 25V
C776	1-163-038-91	s	CERAMIC 0.1uF 25V
C777	1-163-038-91	s	CERAMIC 0.1uF 25V
C778	1-163-038-91	s	CERAMIC 0.1uF 25V
C779	1-163-038-91	s	CERAMIC 0.1uF 25V
C780	1-163-038-91	s	CERAMIC 0.1uF 25V
C781	1-163-038-91	s	CERAMIC 0.1uF 25V
C782	1-163-038-91	s	CERAMIC 0.1uF 25V
C783	1-163-038-91	s	CERAMIC 0.1uF 25V
C784	1-163-038-91	s	CERAMIC 0.1uF 25V
C785	1-163-038-91	s	CERAMIC 0.1uF 25V
C786	1-163-038-91	s	CERAMIC 0.1uF 25V
C787	1-163-038-91	s	CERAMIC 0.1uF 25V
C788	1-163-038-91	s	CERAMIC 0.1uF 25V
C789	1-163-038-91	s	CERAMIC 0.1uF 25V
C843	1-163-038-91	s	CERAMIC 0.1uF 25V
C844	1-163-038-91	s	CERAMIC 0.1uF 25V
C845	1-163-038-91	s	CERAMIC 0.1uF 25V
C846	1-163-038-91	s	CERAMIC 0.1uF 25V
C847	1-163-038-91	s	CERAMIC 0.1uF 25V
C848	1-163-038-91	s	CERAMIC 0.1uF 25V
C849	1-163-038-91	s	CERAMIC 0.1uF 25V
C850	1-163-038-91	s	CERAMIC 0.1uF 25V
C851	1-163-038-91	s	CERAMIC 0.1uF 25V
C852	1-163-038-91	s	CERAMIC 0.1uF 25V
C853	1-163-038-91	s	CERAMIC 0.1uF 25V
C854	1-163-038-91	s	CERAMIC 0.1uF 25V
C855	1-163-038-91	s	CERAMIC 0.1uF 25V
C856	1-163-038-91	s	CERAMIC 0.1uF 25V
C857	1-163-038-91	s	CERAMIC 0.1uF 25V
C858	1-163-038-91	s	CERAMIC 0.1uF 25V
C859	1-163-038-91	s	CERAMIC 0.1uF 25V
C860	1-163-038-91	s	CERAMIC 0.1uF 25V
C861	1-163-038-91	s	CERAMIC 0.1uF 25V
C862	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C863	1-163-038-91	s	CERAMIC 0.1uF 25V
C864	1-163-038-91	s	CERAMIC 0.1uF 25V
C865	1-163-038-91	s	CERAMIC 0.1uF 25V
C866	1-163-038-91	s	CERAMIC 0.1uF 25V
C867	1-163-038-91	s	CERAMIC 0.1uF 25V
C868	1-163-038-91	s	CERAMIC 0.1uF 25V
C869	1-163-038-91	s	CERAMIC 0.1uF 25V
C870	1-163-038-91	s	CERAMIC 0.1uF 25V
C871	1-163-038-91	s	CERAMIC 0.1uF 25V
C872	1-163-038-91	s	CERAMIC 0.1uF 25V
C873	1-163-038-91	s	CERAMIC 0.1uF 25V
C874	1-163-038-91	s	CERAMIC 0.1uF 25V
C875	1-163-038-91	s	CERAMIC 0.1uF 25V
C876	1-163-038-91	s	CERAMIC 0.1uF 25V
C877	1-163-038-91	s	CERAMIC 0.1uF 25V
C878	1-163-038-91	s	CERAMIC 0.1uF 25V
C879	1-163-038-91	s	CERAMIC 0.1uF 25V
C880	1-163-038-91	s	CERAMIC 0.1uF 25V
C881	1-163-038-91	s	CERAMIC 0.1uF 25V
C882	1-163-038-91	s	CERAMIC 0.1uF 25V
C883	1-163-038-91	s	CERAMIC 0.1uF 25V
C884	1-163-038-91	s	CERAMIC 0.1uF 25V
C885	1-163-038-91	s	CERAMIC 0.1uF 25V
C886	1-163-038-91	s	CERAMIC 0.1uF 25V
C887	1-163-038-91	s	CERAMIC 0.1uF 25V
C888	1-163-038-91	s	CERAMIC 0.1uF 25V
C889	1-163-038-91	s	CERAMIC 0.1uF 25V
C890	1-163-038-91	s	CERAMIC 0.1uF 25V
C891	1-163-038-91	s	CERAMIC 0.1uF 25V
C892	1-163-038-91	s	CERAMIC 0.1uF 25V
C893	1-163-038-91	s	CERAMIC 0.1uF 25V
C894	1-163-038-91	s	CERAMIC 0.1uF 25V
C895	1-163-038-91	s	CERAMIC 0.1uF 25V
C896	1-163-038-91	s	CERAMIC 0.1uF 25V
C897	1-163-038-91	s	CERAMIC 0.1uF 25V
C898	1-163-038-91	s	CERAMIC 0.1uF 25V
C899	1-163-038-91	s	CERAMIC 0.1uF 25V
C900	1-163-038-91	s	CERAMIC 0.1uF 25V
C901	1-163-038-91	s	CERAMIC 0.1uF 25V
C902	1-163-038-91	s	CERAMIC 0.1uF 25V
C903	1-163-038-91	s	CERAMIC 0.1uF 25V
C904	1-163-038-91	s	CERAMIC 0.1uF 25V
C905	1-163-038-91	s	CERAMIC 0.1uF 25V
C906	1-163-038-91	s	CERAMIC 0.1uF 25V
C907	1-163-038-91	s	CERAMIC 0.1uF 25V
C908	1-163-038-91	s	CERAMIC 0.1uF 25V
C909	1-163-038-91	s	CERAMIC 0.1uF 25V
C910	1-163-038-91	s	CERAMIC 0.1uF 25V
C911	1-163-038-91	s	CERAMIC 0.1uF 25V
C912	1-163-038-91	s	CERAMIC 0.1uF 25V
C913	1-163-038-91	s	CERAMIC 0.1uF 25V
C914	1-163-038-91	s	CERAMIC 0.1uF 25V
C915	1-163-038-91	s	CERAMIC 0.1uF 25V
C916	1-163-038-91	s	CERAMIC 0.1uF 25V
C917	1-163-038-91	s	CERAMIC 0.1uF 25V
C918	1-163-038-91	s	CERAMIC 0.1uF 25V
C919	1-163-038-91	s	CERAMIC 0.1uF 25V
C920	1-163-038-91	s	CERAMIC 0.1uF 25V
C921	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C922	1-163-038-91	s	CERAMIC 0.1uF 25V
C923	1-163-038-91	s	CERAMIC 0.1uF 25V
C924	1-163-038-91	s	CERAMIC 0.1uF 25V
C925	1-163-038-91	s	CERAMIC 0.1uF 25V
C926	1-163-038-91	s	CERAMIC 0.1uF 25V
C927	1-163-038-91	s	CERAMIC 0.1uF 25V
C928	1-163-038-91	s	CERAMIC 0.1uF 25V
C929	1-163-038-91	s	CERAMIC 0.1uF 25V
C930	1-163-038-91	s	CERAMIC 0.1uF 25V
C931	1-163-038-91	s	CERAMIC 0.1uF 25V
C932	1-163-038-91	s	CERAMIC 0.1uF 25V
C933	1-163-038-91	s	CERAMIC 0.1uF 25V
C934	1-163-038-91	s	CERAMIC 0.1uF 25V
C935	1-163-038-91	s	CERAMIC 0.1uF 25V
C936	1-163-038-91	s	CERAMIC 0.1uF 25V
C937	1-163-038-91	s	CERAMIC 0.1uF 25V
C938	1-163-038-91	s	CERAMIC 0.1uF 25V
C939	1-163-038-91	s	CERAMIC 0.1uF 25V
C940	1-163-038-91	s	CERAMIC 0.1uF 25V
C941	1-163-038-91	s	CERAMIC 0.1uF 25V
C942	1-163-038-91	s	CERAMIC 0.1uF 25V
C943	1-163-038-91	s	CERAMIC 0.1uF 25V
C944	1-163-038-91	s	CERAMIC 0.1uF 25V
C945	1-163-038-91	s	CERAMIC 0.1uF 25V
C946	1-163-038-91	s	CERAMIC 0.1uF 25V
C947	1-163-038-91	s	CERAMIC 0.1uF 25V
C948	1-163-038-91	s	CERAMIC 0.1uF 25V
C949	1-163-038-91	s	CERAMIC 0.1uF 25V
C950	1-163-038-91	s	CERAMIC 0.1uF 25V
C951	1-163-038-91	s	CERAMIC 0.1uF 25V
C952	1-163-038-91	s	CERAMIC 0.1uF 25V
C953	1-163-038-91	s	CERAMIC 0.1uF 25V
C954	1-163-038-91	s	CERAMIC 0.1uF 25V
C955	1-163-038-91	s	CERAMIC 0.1uF 25V
C956	1-163-038-91	s	CERAMIC 0.1uF 25V
C957	1-163-038-91	s	CERAMIC 0.1uF 25V
C958	1-163-038-91	s	CERAMIC 0.1uF 25V
C959	1-163-038-91	s	CERAMIC 0.1uF 25V
C960	1-163-038-91	s	CERAMIC 0.1uF 25V
C961	1-163-038-91	s	CERAMIC 0.1uF 25V
C962	1-163-038-91	s	CERAMIC 0.1uF 25V
C963	1-163-038-91	s	CERAMIC 0.1uF 25V
C964	1-163-038-91	s	CERAMIC 0.1uF 25V
C965	1-163-038-91	s	CERAMIC 0.1uF 25V
C966	1-163-038-91	s	CERAMIC 0.1uF 25V
C967	1-163-038-91	s	CERAMIC 0.1uF 25V
C968	1-163-038-91	s	CERAMIC 0.1uF 25V
C969	1-163-038-91	s	CERAMIC 0.1uF 25V
C970	1-163-038-91	s	CERAMIC 0.1uF 25V
C971	1-163-038-91	s	CERAMIC 0.1uF 25V
C972	1-163-038-91	s	CERAMIC 0.1uF 25V
C973	1-163-038-91	s	CERAMIC 0.1uF 25V
C974	1-163-038-91	s	CERAMIC 0.1uF 25V
C975	1-163-038-91	s	CERAMIC 0.1uF 25V
C976	1-163-038-91	s	CERAMIC 0.1uF 25V
C977	1-163-038-91	s	CERAMIC 0.1uF 25V
C978	1-163-038-91	s	CERAMIC 0.1uF 25V
C979	1-163-038-91	s	CERAMIC 0.1uF 25V
C980	1-163-038-91	s	CERAMIC 0.1uF 25V

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Ref. No. or Q'ty	Part No.	SP	Description
C983	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C984	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C985	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C986	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C987	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
C988	1-163-251-11	s	CERAMIC, CHIP 100pF 5% 50V
CN1	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
CN2	1-770-600-11	s	CONNECTOR, BB 100P, FEMALE
D2	8-719-975-84	s	DIODE AY1101W-88
D4	8-719-975-84	s	DIODE AY1101W-88
F1	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F2	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F3	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
F4	⚠ 1-533-843-21	s	FUSE, CHIP 10A 125V
FB1	1-543-256-11	s	BEAD, FERRITE
FB2	1-543-256-11	s	BEAD, FERRITE
IC1	8-759-271-78	s	IC DS26C32ATM
IC2	8-759-271-82	s	IC DS3695ATM
IC3	8-759-464-48	s	IC CXD8900J
IC4	8-759-464-48	s	IC CXD8900J
IC5	8-759-389-48	s	IC 74LCX16374MTDX
IC6	8-759-389-48	s	IC 74LCX16374MTDX
IC7	8-759-464-48	s	IC CXD8900J
IC8	8-759-464-48	s	IC CXD8900J
IC9	8-759-464-48	s	IC CXD8900J
IC10	8-759-464-48	s	IC CXD8900J
IC12	8-759-464-48	s	IC CXD8900J
IC13	8-759-466-63	s	IC CXD8895Q
IC14	8-759-464-48	s	IC CXD8900J
IC15	8-759-464-48	s	IC CXD8900J
IC18	8-759-389-48	s	IC 74LCX16374MTDX
IC19	8-759-389-48	s	IC 74LCX16374MTDX
IC22	8-759-469-98	s	IC CAT93C66K-LE10
IC23	8-759-530-15	s	IC TC74ACT245FT(EL)
IC25	8-759-439-42	s	IC CXD9022R
IC26	8-759-439-42	s	IC CXD9022R
IC27	8-759-466-62	s	IC CXD8894Q
IC28	8-759-464-48	s	IC CXD8900J
IC29	8-759-439-44	s	IC CXD9024Q
IC30	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC31	8-759-464-48	s	IC CXD8900J
IC32	8-759-505-00	s	IC CXD8052Q
IC33	8-759-505-00	s	IC CXD8052Q
IC34	8-759-386-28	s	IC 74LCX00MTCX
IC37	8-759-389-48	s	IC 74LCX16374MTDX
IC38	8-759-389-48	s	IC 74LCX16374MTDX
IC39	8-759-389-48	s	IC 74LCX16374MTDX
IC40	8-759-505-06	s	IC CXD8058Q
IC41	8-759-389-48	s	IC 74LCX16374MTDX
IC42	8-759-389-48	s	IC 74LCX16374MTDX
IC43	8-759-466-62	s	IC CXD8894Q
IC44	8-759-466-62	s	IC CXD8894Q
IC47	8-759-464-48	s	IC CXD8900J
IC48	8-759-464-48	s	IC CXD8900J
IC50	8-759-389-48	s	IC 74LCX16374MTDX
IC51	8-759-389-48	s	IC 74LCX16374MTDX

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Ref. No. or Q'ty	Part No.	SP	Description
IC52	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC54	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC55	8-759-389-48	s	IC 74LCX16374MTDX
IC56	8-759-389-45	s	IC 74LCX16244MTDX
IC57	8-759-386-27	s	IC 74LCX04MTCX
IC59	8-759-466-63	s	IC CXD8895Q
IC60	8-759-523-49	s	IC TC74ACT541FT(EL)
IC63	8-759-523-49	s	IC TC74ACT541FT(EL)
IC64	8-759-464-48	s	IC CXD8900J
IC65	8-759-466-59	s	IC CGS2535TVX
IC67	8-759-466-21	s	IC S4405B-80
IC68	8-759-389-48	s	IC 74LCX16374MTDX
IC69	8-759-389-48	s	IC 74LCX16374MTDX
IC75	8-759-465-49	s	IC MC10ELT21DR2
IC80	8-759-466-63	s	IC CXD8895Q
IC83	8-759-466-62	s	IC CXD8894Q
IC84	8-759-466-62	s	IC CXD8894Q
IC85	8-759-464-48	s	IC CXD8900J
IC86	8-759-464-48	s	IC CXD8900J
IC87	8-759-464-48	s	IC CXD8900J
IC88	8-759-466-59	s	IC CGS2535TVX
IC89	8-759-466-59	s	IC CGS2535TVX
IC90	8-759-389-48	s	IC 74LCX16374MTDX
IC92	8-759-466-62	s	IC CXD8894Q
IC93	8-759-466-62	s	IC CXD8894Q
IC96	8-759-464-48	s	IC CXD8900J
IC97	8-759-464-48	s	IC CXD8900J
IC98	8-759-464-48	s	IC CXD8900J
IC99	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC100	8-759-389-48	s	IC 74LCX16374MTDX
IC101	8-759-389-48	s	IC 74LCX16374MTDX
IC102	8-759-389-48	s	IC 74LCX16374MTDX
IC103	8-759-389-48	s	IC 74LCX16374MTDX
IC104	8-759-389-45	s	IC 74LCX16244MTDX
IC105	8-759-389-48	s	IC 74LCX16374MTDX
IC108	8-759-386-28	s	IC 74LCX00MTCX
IC109	8-759-386-27	s	IC 74LCX04MTCX
IC110	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC116	8-759-386-27	s	IC 74LCX04MTCX
IC117	8-759-389-30	s	IC 74LCX32MTCX
IC118	8-759-528-53	s	IC IDT74FCT16374ETPA-TL
IC119	8-759-389-45	s	IC 74LCX16244MTDX
IC120	8-759-389-48	s	IC 74LCX16374MTDX
IC121	8-759-464-48	s	IC CXD8900J
IC122	8-759-389-48	s	IC 74LCX16374MTDX
IC123	8-759-389-30	s	IC 74LCX32MTCX
IC124	8-759-466-62	s	IC CXD8894Q
IC125	8-759-439-44	s	IC CXD9024Q
IC126	8-759-464-46	s	IC CXD8899J
IC127	8-759-466-62	s	IC CXD8894Q
IC128	8-759-466-62	s	IC CXD8894Q
IC129	8-759-439-44	s	IC CXD9024Q
IC500	8-759-466-55	s	IC 74LCX74MTCX
IC501	8-759-466-55	s	IC 74LCX74MTCX
IC502	8-759-389-48	s	IC 74LCX16374MTDX
IC503	8-759-389-48	s	IC 74LCX16374MTDX
IC504	8-759-464-46	s	IC CXD8899J
IC505	8-759-464-46	s	IC CXD8899J
IC506	8-759-464-46	s	IC CXD8899J

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Ref. No. or Q'ty	Part No.	SP	Description
IC507	8-759-464-46	s	IC CXD8899J
IC508	8-759-464-46	s	IC CXD8899J
IC509	8-759-464-46	s	IC CXD8899J
IC510	8-759-464-48	s	IC CXD8900J
IC511	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC512	8-759-464-48	s	IC CXD8900J
IC513	8-759-464-48	s	IC CXD8900J
IC514	8-759-528-44	s	IC IDT74FCT574DTPY-TL
IC515	8-759-389-26	s	IC 74LCX08MTCX
IC516	8-759-464-48	s	IC CXD8900J
IC517	8-759-464-48	s	IC CXD8900J
IC518	8-759-466-62	s	IC CXD8894Q
IC519	8-759-466-62	s	IC CXD8894Q
IC520	8-759-464-48	s	IC CXD8900J
IC521	8-759-464-48	s	IC CXD8900J
IC522	8-759-389-48	s	IC 74LCX16374MTDX
IC524	8-759-466-63	s	IC CXD8895Q
IC527	8-759-464-48	s	IC CXD8900J
IC528	8-759-464-48	s	IC CXD8900J
IC529	8-759-464-48	s	IC CXD8900J
IC530	8-759-439-44	s	IC CXD9024Q
IC531	8-759-439-44	s	IC CXD9024Q
IC532	8-759-523-49	s	IC TC74ACT541FT(EL)
IC533	8-759-523-49	s	IC TC74ACT541FT(EL)
IC534	8-759-523-49	s	IC TC74ACT541FT(EL)
IC535	8-759-523-49	s	IC TC74ACT541FT(EL)
IC536	8-759-523-49	s	IC TC74ACT541FT(EL)
IC537	8-759-523-49	s	IC TC74ACT541FT(EL)
IC538	8-759-456-26	s	IC 74LCX541MTCX
IC539	8-759-456-26	s	IC 74LCX541MTCX
IC540	8-759-456-26	s	IC 74LCX541MTCX
IC541	8-759-456-26	s	IC 74LCX541MTCX
IC542	8-759-456-26	s	IC 74LCX541MTCX
IC543	8-759-456-26	s	IC 74LCX541MTCX
IC544	8-759-456-26	s	IC 74LCX541MTCX
IC545	8-759-456-26	s	IC 74LCX541MTCX
IC546	8-759-456-26	s	IC 74LCX541MTCX
IC547	8-759-523-49	s	IC TC74ACT541FT(EL)
IC548	8-759-456-26	s	IC 74LCX541MTCX
IC549	8-759-456-26	s	IC 74LCX541MTCX
IC550	8-759-456-26	s	IC 74LCX541MTCX
IC551	8-759-464-48	s	IC CXD8900J
IC552	8-759-466-63	s	IC CXD8895Q
IC555	8-759-389-48	s	IC 74LCX16374MTDX
IC556	8-759-389-26	s	IC 74LCX08MTCX
IC557	8-759-466-56	s	IC 74LCX86MTCX
IC564	8-759-527-57	s	IC SN74ABT16823DGGR
IC565	8-759-466-63	s	IC CXD8895Q
IC567	8-759-464-48	s	IC CXD8900J
IC568	8-759-464-48	s	IC CXD8900J
IC569	8-759-464-46	s	IC CXD8899J
IC570	8-759-464-48	s	IC CXD8900J
IC571	8-759-523-49	s	IC TC74ACT541FT(EL)
IC572	8-759-456-26	s	IC 74LCX541MTCX
IC573	8-759-466-63	s	IC CXD8895Q
IC574	8-759-389-48	s	IC 74LCX16374MTDX
IC575	8-759-389-48	s	IC 74LCX16374MTDX
IC576	8-759-466-59	s	IC CGS2535TVX
IC577	8-759-389-48	s	IC 74LCX16374MTDX

(CRK-9 BOARD(HKDS-7031))

Ref. No. or Q'ty	Part No.	SP	Description
IS558	1-251-047-11	s	SOCKET, IC 44P
R33	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R37	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R39	1-216-619-11	s	METAL, CHIP 47 0.5% 1/10W
R41	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R42	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R43	1-216-295-91	s	RES, CHIP 0
R44	1-216-295-91	s	RES, CHIP 0
R45	1-216-295-91	s	RES, CHIP 0
R46	1-216-295-91	s	RES, CHIP 0
R47	1-216-295-91	s	RES, CHIP 0
R48	1-216-295-91	s	RES, CHIP 0
R53	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R54	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R65	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R69	1-216-655-11	s	METAL, CHIP 1.5k 0.5% 1/10W
R70	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R76	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R83	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R91	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R96	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R97	1-216-620-11	s	METAL, CHIP 51 0.5% 1/10W
R113	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R117	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R122	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R126	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R130	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R131	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R132	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R141	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R142	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R143	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R144	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R145	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R146	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R147	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R148	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R149	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R150	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R151	1-216-643-11	s	METAL, CHIP 470 0.5% 1/10W
R505	1-216-295-91	s	RES, CHIP 0
R506	1-216-295-91	s	RES, CHIP 0
R512	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R514	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R516	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R518	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R520	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R522	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R523	1-216-295-91	s	RES, CHIP 0
R524	1-216-295-91	s	RES, CHIP 0
R526	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R528	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R530	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R532	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R534	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R536	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R538	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R540	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R541	1-216-295-91	s	RES, CHIP 0
R542	1-216-295-91	s	RES, CHIP 0
R543	1-216-295-91	s	RES, CHIP 0
R544	1-216-295-91	s	RES, CHIP 0
R545	1-216-295-91	s	RES, CHIP 0
R547	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R549	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R551	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R553	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R555	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R563	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R565	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R567	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R571	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R573	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R575	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R577	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R579	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R581	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R583	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R585	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R587	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R589	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R591	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R593	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R595	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R597	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R599	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R601	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R603	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R605	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R607	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R609	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R611	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R613	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R614	1-216-295-91	s	RES, CHIP 0
R615	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R617	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R619	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R621	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R623	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R625	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R627	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R629	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R631	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R632	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R633	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R634	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R635	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R636	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R642	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R644	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R646	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R648	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R650	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R652	1-216-624-11	s	METAL, CHIP 75 0.5% 1/10W
R653	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R654	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R655	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP	Description
R656	1-216-611-11	s	METAL, CHIP 22 0.5% 1/10W
R657	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R658	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R659	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
R667	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R668	1-216-675-11	s	METAL, CHIP 10k 0.5% 1/10W
R669	1-216-612-11	s	METAL, CHIP 24 0.5% 1/10W
RB1	1-234-078-11	s	RES, CHIP NETWORK 47
RB2	1-234-078-11	s	RES, CHIP NETWORK 47
RB3	1-234-078-11	s	RES, CHIP NETWORK 47
RB4	1-234-078-11	s	RES, CHIP NETWORK 47
RB5	1-234-078-11	s	RES, CHIP NETWORK 47
RB6	1-234-078-11	s	RES, CHIP NETWORK 47
RB7	1-234-078-11	s	RES, CHIP NETWORK 47
RB8	1-234-078-11	s	RES, CHIP NETWORK 47
RB9	1-234-078-11	s	RES, CHIP NETWORK 47
RB10	1-233-448-11	s	RES, CHIP NETWORK 22
RB11	1-233-448-11	s	RES, CHIP NETWORK 22
RB12	1-233-448-11	s	RES, CHIP NETWORK 22
RB13	1-233-448-11	s	RES, CHIP NETWORK 22
RB14	1-233-448-11	s	RES, CHIP NETWORK 22
RB15	1-233-448-11	s	RES, CHIP NETWORK 22
RB16	1-233-448-11	s	RES, CHIP NETWORK 22
RB17	1-233-448-11	s	RES, CHIP NETWORK 22
RB18	1-233-448-11	s	RES, CHIP NETWORK 22
RB19	1-233-448-11	s	RES, CHIP NETWORK 22
RB20	1-233-448-11	s	RES, CHIP NETWORK 22
RB21	1-233-448-11	s	RES, CHIP NETWORK 22
RB22	1-233-448-11	s	RES, CHIP NETWORK 22
RB23	1-233-448-11	s	RES, CHIP NETWORK 22
RB24	1-233-448-11	s	RES, CHIP NETWORK 22
RB25	1-233-448-11	s	RES, CHIP NETWORK 22
RB26	1-233-448-11	s	RES, CHIP NETWORK 22
RB27	1-233-448-11	s	RES, CHIP NETWORK 22
RB28	1-233-448-11	s	RES, CHIP NETWORK 22
RB29	1-233-448-11	s	RES, CHIP NETWORK 22
RB30	1-233-448-11	s	RES, CHIP NETWORK 22
RB31	1-233-448-11	s	RES, CHIP NETWORK 22
RB32	1-233-448-11	s	RES, CHIP NETWORK 22
RB33	1-233-448-11	s	RES, CHIP NETWORK 22
RB34	1-233-448-11	s	RES, CHIP NETWORK 22
RB35	1-233-448-11	s	RES, CHIP NETWORK 22
RB36	1-233-448-11	s	RES, CHIP NETWORK 22
RB37	1-233-448-11	s	RES, CHIP NETWORK 22
RB38	1-233-448-11	s	RES, CHIP NETWORK 22
RB39	1-233-448-11	s	RES, CHIP NETWORK 22
RB40	1-233-448-11	s	RES, CHIP NETWORK 22
RB41	1-233-448-11	s	RES, CHIP NETWORK 22
RB42	1-233-448-11	s	RES, CHIP NETWORK 22
RB43	1-233-448-11	s	RES, CHIP NETWORK 22
RB44	1-233-448-11	s	RES, CHIP NETWORK 22
RB45	1-233-448-11	s	RES, CHIP NETWORK 22
RB46	1-233-448-11	s	RES, CHIP NETWORK 22
RB47	1-233-448-11	s	RES, CHIP NETWORK 22

LE-55(HKDS-7690)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-620-338-11	o	PRINTED CIRCUIT BOARD, LE-55
CN1	1-564-013-31	s	CONNECTOR 3P, MALE
D1	8-719-812-43	s	LED TLG124A, GRN
D2	8-719-812-43	s	LED TLG124A, GRN
D3	8-719-812-43	s	LED TLG124A, GRN
D4	8-719-812-43	s	LED TLG124A, GRN
R1	1-249-408-11	s	CARBON 180 5% 1/4W
R2	1-249-408-11	s	CARBON 180 5% 1/4W
R3	1-249-408-11	s	CARBON 180 5% 1/4W
R4	1-249-408-11	s	CARBON 180 5% 1/4W

RE-162 BOARD(HKDS-7690)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8318-298-A	o	MOUNTED CIRCUIT BOARD, RE-162
2pcs	3-193-261-01	o	PAD (SMALL), THERMAL
42pcs	4-360-293-00	o	SPACER, BOSS
42pcs	7-682-547-04	s	SCREW +B 3x6
42pcs	7-682-550-04	s	SCREW +B 3x12
2pc	7-682-563-04	s	SCREW +B 4x12
C101	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C102	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C103	⚠ 1-117-439-11	s	FILM 2.2uF 20% 275V
C104	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C105	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C106	⚠ 1-137-525-11	s	FILM 0.1uF 20% 250V
C107	1-117-439-11	s	FILM 2.2uF 20% 275V
C108	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C109	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C110	⚠ 1-117-439-11	s	FILM 2.2uF 20% 275V
C111	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C112	⚠ 1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C113	⚠ 1-137-525-11	s	FILM 0.1uF 20% 250V
C114	1-117-439-11	s	FILM 2.2uF 20% 275V
C115	1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C116	1-125-601-11	s	ELECT 470uF 20% 450V
C117	1-125-601-11	s	ELECT 470uF 20% 450V
C118	1-125-601-11	s	ELECT 470uF 20% 450V
C119	1-125-601-11	s	ELECT 470uF 20% 450V
C120	1-125-601-11	s	ELECT 470uF 20% 450V
C121	1-125-601-11	s	ELECT 470uF 20% 450V
C122	1-125-601-11	s	ELECT 470uF 20% 450V
C123	1-125-601-11	s	ELECT 470uF 20% 450V
C124	1-125-601-11	s	ELECT 470uF 20% 450V
C125	1-125-601-11	s	ELECT 470uF 20% 450V
C126	1-113-907-51	s	CERAMIC 0.0022uF 20% 250V
C127	1-125-601-11	s	ELECT 470uF 20% 450V
C128	1-125-601-11	s	ELECT 470uF 20% 450V
C129	1-125-601-11	s	ELECT 470uF 20% 450V
C130	1-125-601-11	s	ELECT 470uF 20% 450V
C131	1-125-601-11	s	ELECT 470uF 20% 450V
C132	1-125-601-11	s	ELECT 470uF 20% 450V
C133	1-125-601-11	s	ELECT 470uF 20% 450V
C134	1-125-601-11	s	ELECT 470uF 20% 450V
C135	1-125-601-11	s	ELECT 470uF 20% 450V
C136	1-125-601-11	s	ELECT 470uF 20% 450V
C137	1-125-601-11	s	ELECT 470uF 20% 450V
CN101	1-779-740-11	s	CONNECTOR 2P, MALE
CN102	1-779-740-11	s	CONNECTOR 2P, MALE
CN103	1-691-291-11	o	CONNECTOR 5P, MALE
CN104	1-691-291-11	o	CONNECTOR 5P, MALE
CN105	1-580-837-11	o	CONNECTOR 3P, MALE
CP101	⚠ 1-473-488-13	s	CONVERTER UNIT, AC-DC
CP102	⚠ 1-473-489-11	s	BOOSTER, AC-DC CONVERTER
CP103	⚠ 1-473-489-11	s	BOOSTER, AC-DC CONVERTER
CP104	⚠ 1-473-488-13	s	CONVERTER UNIT, AC-DC
CP105	⚠ 1-473-489-11	s	BOOSTER, AC-DC CONVERTER
CP106	⚠ 1-473-489-11	s	BOOSTER, AC-DC CONVERTER
CP107	⚠ 1-473-489-11	s	BOOSTER, AC-DC CONVERTER
D100	8-719-055-30	s	DIODE D1FS4A-TA
D101	8-719-064-58	s	DIODE S20WB60

(RE-162 BOARD(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
D102	8-719-200-22	s	DIODE 11E2FA-9
D103	8-719-200-22	s	DIODE 11E2FA-9
D104	8-719-064-58	s	DIODE S20WB60
D105	8-719-200-22	s	DIODE 11E2FA-9
D106	8-719-200-22	s	DIODE 11E2FA-9
D107	8-719-055-30	s	DIODE D1FS4A-TA
L1	1-416-671-11	s	COIL, CHOKE 400uH
L2	1-416-671-11	s	COIL, CHOKE 400uH
L3	1-416-671-11	s	COIL, CHOKE 400uH
L4	1-416-671-11	s	COIL, CHOKE 400uH
L5	1-416-671-11	s	COIL, CHOKE 400uH
L6	1-416-671-11	s	COIL, CHOKE 400uH
L7	1-416-671-11	s	COIL, CHOKE 400uH
L8	1-416-671-11	s	COIL, CHOKE 400uH
PH100	⚠ 8-749-924-92	s	IC TLP721(D4-)
PH101	⚠ 8-749-924-92	s	IC TLP721(D4-)
PH102	8-749-924-92	s	IC TLP721(D4-)
PH103	8-749-924-92	s	IC TLP721(D4-)
PS101	⚠ 1-533-714-11	s	FUSE 10A 25V
PS102	⚠ 1-533-714-11	s	FUSE 10A 25V
PS103	⚠ 1-533-714-11	s	FUSE 10A 25V
PS104	⚠ 1-533-714-11	s	FUSE 10A 25V
PS105	⚠ 1-533-714-11	s	FUSE 10A 25V
PS106	⚠ 1-533-714-11	s	FUSE 10A 25V
PS107	⚠ 1-533-714-11	s	FUSE 10A 25V
Q101	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q102	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
R100	1-215-445-00	s	METAL 10k 1% 1/6W
R101	⚠ 1-214-937-00	s	METAL 1M 1% 1/2W
R102	⚠ 1-214-937-00	s	METAL 1M 1% 1/2W
R103	1-215-449-00	s	METAL 15k 1% 1/6W
R104	1-215-445-00	s	METAL 10k 1% 1/6W
R105	1-215-459-00	s	METAL 39k 1% 1/6W
R106	1-215-445-00	s	METAL 10k 1% 1/6W
R107	1-215-459-00	s	METAL 39k 1% 1/6W
R108	1-215-445-00	s	METAL 10k 1% 1/6W
R109	1-215-449-00	s	METAL 15k 1% 1/6W
T101	⚠ 1-416-326-11	s	COIL, CHOKE 0uH
T102	⚠ 1-416-326-11	s	COIL, CHOKE 0uH

RE-163 BOARD(HKDS-7690)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	A-8318-300-A	o	MOUNTED CIRCUIT BOARD, RE-163
84pcs	4-360-293-00	o	SPACER, BOSS
84pcs	7-682-547-04	s	SCREW +B 3x6
84pcs	7-682-550-04	s	SCREW +B 3x12
C201	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C202	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C203	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C204	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C205	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C206	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C207	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C208	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C209	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C210	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C211	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C212	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C213	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C214	⚠ 1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C215	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C216	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C217	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C218	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C219	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C220	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C221	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C222	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C223	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C224	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C225	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C226	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C227	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C228	1-113-920-11	s	CERAMIC 0.0022uF 20% 250V
C229	1-128-526-11	s	ELECT 100uF 20% 25V
C230	1-128-526-11	s	ELECT 100uF 20% 25V
C233	1-128-526-11	s	ELECT 100uF 20% 25V
C234	1-128-526-11	s	ELECT 100uF 20% 25V
C235	1-128-526-11	s	ELECT 100uF 20% 25V
C236	1-128-526-11	s	ELECT 100uF 20% 25V
C237	1-128-526-11	s	ELECT 100uF 20% 25V
C238	1-128-526-11	s	ELECT 100uF 20% 25V
C239	1-128-526-11	s	ELECT 100uF 20% 25V
C240	1-128-526-11	s	ELECT 100uF 20% 25V
C241	1-161-485-00	s	CERAMIC 0.1uF 50V
C242	1-161-485-00	s	CERAMIC 0.1uF 50V
C243	1-161-485-00	s	CERAMIC 0.1uF 50V
C244	1-161-485-00	s	CERAMIC 0.1uF 50V
C245	1-161-485-00	s	CERAMIC 0.1uF 50V
C246	1-161-485-00	s	CERAMIC 0.1uF 50V
C247	1-161-485-00	s	CERAMIC 0.1uF 50V
C248	1-161-485-00	s	CERAMIC 0.1uF 50V
C249	1-161-485-00	s	CERAMIC 0.1uF 50V
C250	1-161-485-00	s	CERAMIC 0.1uF 50V
C251	1-161-485-00	s	CERAMIC 0.1uF 50V
C252	1-161-485-00	s	CERAMIC 0.1uF 50V
C253	1-161-485-00	s	CERAMIC 0.1uF 50V
C254	1-161-485-00	s	CERAMIC 0.1uF 50V
C255	1-128-526-11	s	ELECT 100uF 20% 25V
C256	1-128-526-11	s	ELECT 100uF 20% 25V
C257	1-128-526-11	s	ELECT 100uF 20% 25V

(RE-163 BOARD(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
C258	1-128-526-11	s	ELECT 100uF 20% 25V
C259	1-128-526-11	s	ELECT 100uF 20% 25V
C260	1-128-526-11	s	ELECT 100uF 20% 25V
C261	1-128-526-11	s	ELECT 100uF 20% 25V
C262	1-128-526-11	s	ELECT 100uF 20% 25V
C263	1-128-526-11	s	ELECT 100uF 20% 25V
C264	1-128-526-11	s	ELECT 100uF 20% 25V
C265	1-128-526-11	s	ELECT 100uF 20% 25V
C266	1-128-526-11	s	ELECT 100uF 20% 25V
C267	1-128-526-11	s	ELECT 100uF 20% 25V
C268	1-128-526-11	s	ELECT 100uF 20% 25V
C269	1-161-485-00	s	CERAMIC 0.1uF 50V
CN201	1-691-291-11	o	CONNECTOR 5P, MALE
CN202	1-691-291-11	o	CONNECTOR 5P, MALE
CN203	1-580-837-11	o	CONNECTOR 3P, MALE
CN204	1-560-356-00	o	CONNECTOR, ILG 2P, MALE
CN205	1-560-357-11	o	CONNECTOR, ILG 3P, MALE
CN206	1-560-357-11	o	CONNECTOR, ILG 3P, MALE
CN207	1-560-357-11	o	CONNECTOR, ILG 3P, MALE
CN208	1-560-357-11	o	CONNECTOR, ILG 3P, MALE
CN209	1-560-364-00	o	CONNECTOR, ILG 2P, MALE
CN210	1-779-657-11	o	CONNECTOR 8P, MALE
CN211	1-779-094-11	s	CONNECTOR 10P, MALE
CN212	1-779-657-11	o	CONNECTOR 8P, MALE
CN213	1-779-094-11	s	CONNECTOR 10P, MALE
CN214	1-779-657-11	o	CONNECTOR 8P, MALE
CN215	1-779-657-11	o	CONNECTOR 8P, MALE
CN216	1-691-095-11	o	CONNECTOR 6P, MALE
CN217	1-779-094-11	s	CONNECTOR 10P, MALE
CN218	1-779-657-11	o	CONNECTOR 8P, MALE
CN219	1-779-094-11	s	CONNECTOR 10P, MALE
CN220	1-779-657-11	o	CONNECTOR 8P, MALE
CN221	1-560-368-00	o	CONNECTOR, ILG 6P, MALE
CN222	1-779-657-11	o	CONNECTOR 8P, MALE
CP201	⚠ 1-475-283-13	s	CONVERTER UNIT, DC-DC
CP202	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP203	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP204	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP205	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP206	⚠ 1-473-441-11	s	CONVERTER UNIT, DC-DC
CP207	⚠ 1-473-465-11	s	CONVERTER UNIT, DC-DC
CP208	⚠ 1-475-283-13	s	CONVERTER UNIT, DC-DC
CP209	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP210	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP211	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP212	⚠ 1-475-728-11	s	CONVERTER UNIT, DC-DC
CP213	⚠ 1-473-441-11	s	CONVERTER UNIT, DC-DC
CP214	⚠ 1-466-411-21	s	CONVERTER UNIT, DC-DC
D201	8-719-055-30	s	DIODE D1FS4A-TA
D203	8-719-055-30	s	DIODE D1FS4A-TA
D204	8-719-055-30	s	DIODE D1FS4A-TA
D205	8-719-055-30	s	DIODE D1FS4A-TA
D206	8-719-055-30	s	DIODE D1FS4A-TA
D207	8-719-991-75	s	DIODE RB425D
D208	8-719-991-75	s	DIODE RB425D
D209	8-719-053-73	s	DIODE DF30PC3M-4102
D210	8-719-053-73	s	DIODE DF30PC3M-4102
D211	8-719-053-73	s	DIODE DF30PC3M-4102

(RE-163 BOARD(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
D212	8-719-053-73	s	DIODE DF30PC3M-4102
D213	8-719-053-73	s	DIODE DF30PC3M-4102
D214	8-719-053-73	s	DIODE DF30PC3M-4102
D215	8-719-053-73	s	DIODE DF30PC3M-4102
D216	8-719-053-73	s	DIODE DF30PC3M-4102
D217	8-719-053-73	s	DIODE DF30PC3M-4102
D218	8-719-053-73	s	DIODE DF30PC3M-4102
D219	8-719-053-73	s	DIODE DF30PC3M-4102
D220	8-719-053-73	s	DIODE DF30PC3M-4102
D221	8-719-053-73	s	DIODE DF30PC3M-4102
D222	8-719-053-73	s	DIODE DF30PC3M-4102
D223	8-719-053-73	s	DIODE DF30PC3M-4102
D224	8-719-053-73	s	DIODE DF30PC3M-4102
D225	8-719-053-73	s	DIODE DF30PC3M-4102
D226	8-719-053-73	s	DIODE DF30PC3M-4102
D227	8-719-053-73	s	DIODE DF30PC3M-4102
D228	8-719-053-73	s	DIODE DF30PC3M-4102
D229	8-719-053-73	s	DIODE DF30PC3M-4102
D230	8-719-053-73	s	DIODE DF30PC3M-4102
D231	8-719-053-73	s	DIODE DF30PC3M-4102
D232	8-719-053-73	s	DIODE DF30PC3M-4102
D233	8-719-053-73	s	DIODE DF30PC3M-4102
D234	8-719-053-73	s	DIODE DF30PC3M-4102
D235	8-719-053-73	s	DIODE DF30PC3M-4102
D236	8-719-053-73	s	DIODE DF30PC3M-4102
D237	8-719-053-73	s	DIODE DF30PC3M-4102
D238	8-719-053-73	s	DIODE DF30PC3M-4102
D239	8-719-053-73	s	DIODE DF30PC3M-4102
D240	8-719-053-73	s	DIODE DF30PC3M-4102
D241	8-719-053-73	s	DIODE DF30PC3M-4102
D242	8-719-053-73	s	DIODE DF30PC3M-4102
D243	8-719-053-73	s	DIODE DF30PC3M-4102
D244	8-719-053-73	s	DIODE DF30PC3M-4102
D245	8-719-053-73	s	DIODE DF30PC3M-4102
D246	8-719-053-73	s	DIODE DF30PC3M-4102
D247	8-719-053-73	s	DIODE DF30PC3M-4102
D248	8-719-053-73	s	DIODE DF30PC3M-4102
D249	8-719-053-73	s	DIODE DF30PC3M-4102
D250	8-719-053-73	s	DIODE DF30PC3M-4102
D251	8-719-053-73	s	DIODE DF30PC3M-4102
D252	8-719-053-73	s	DIODE DF30PC3M-4102
D253	8-719-053-73	s	DIODE DF30PC3M-4102
D254	8-719-053-73	s	DIODE DF30PC3M-4102
D255	8-719-053-73	s	DIODE DF30PC3M-4102
D256	8-719-053-73	s	DIODE DF30PC3M-4102
D257	8-719-053-73	s	DIODE DF30PC3M-4102
D258	8-719-053-73	s	DIODE DF30PC3M-4102
D259	8-719-053-73	s	DIODE DF30PC3M-4102
D260	8-719-053-73	s	DIODE DF30PC3M-4102
D261	8-719-053-73	s	DIODE DF30PC3M-4102
D262	8-719-053-73	s	DIODE DF30PC3M-4102
D263	8-719-053-73	s	DIODE DF30PC3M-4102
F201	⚠ 1-533-708-11	s	FUSE 3A 250V
F202	⚠ 1-533-708-11	s	FUSE 3A 250V
F203	⚠ 1-533-708-11	s	FUSE 3A 250V
F204	⚠ 1-533-708-11	s	FUSE 3A 250V
F205	⚠ 1-533-708-11	s	FUSE 3A 250V
F206	⚠ 1-533-708-11	s	FUSE 3A 250V

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(RE-163 BOARD(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
F207	⚠ 1-533-708-11	s	FUSE 3A 250V
F208	⚠ 1-533-708-11	s	FUSE 3A 250V
F209	⚠ 1-533-708-11	s	FUSE 3A 250V
F210	⚠ 1-533-708-11	s	FUSE 3A 250V
F211	⚠ 1-533-708-11	s	FUSE 3A 250V
F212	⚠ 1-533-708-11	s	FUSE 3A 250V
F213	⚠ 1-533-708-11	s	FUSE 3A 250V
F214	⚠ 1-533-708-11	s	FUSE 3A 250V
F215	⚠ 1-533-275-21	s	FUSE 5A 60V
FL201	1-236-071-11	s	ENCAPSULATED COMPONENT, LC
FL202	1-236-071-11	s	ENCAPSULATED COMPONENT, LC
FL203	1-236-071-11	s	ENCAPSULATED COMPONENT, LC
FL204	1-236-071-11	s	ENCAPSULATED COMPONENT, LC
PH202	8-719-821-50	s	PHOTOCOUPLER TLP624(BV)
PH203	8-719-821-50	s	PHOTOCOUPLER TLP624(BV)
Q205	8-729-922-10	s	TRANSISTOR 2SA1577-QR
Q206	8-729-922-10	s	TRANSISTOR 2SA1577-QR
Q207	8-729-029-05	s	TRANSISTOR DTC123YUA-T106
Q208	8-729-029-05	s	TRANSISTOR DTC123YUA-T106
Q209	8-729-029-05	s	TRANSISTOR DTC123YUA-T106
Q210	8-729-029-05	s	TRANSISTOR DTC123YUA-T106
R200	1-216-669-11	s	METAL, CHIP 5.6k 0.5% 1/10W
R201	1-214-840-00	s	METAL 100 1% 1/2W
R202	1-214-840-00	s	METAL 100 1% 1/2W
R205	1-214-840-00	s	METAL 100 1% 1/2W
R206	1-214-840-00	s	METAL 100 1% 1/2W
R207	1-214-840-00	s	METAL 100 1% 1/2W
R208	1-214-840-00	s	METAL 100 1% 1/2W
R209	1-214-840-00	s	METAL 100 1% 1/2W
R210	1-214-840-00	s	METAL 100 1% 1/2W
R211	1-214-840-00	s	METAL 100 1% 1/2W
R212	1-214-852-51	s	METAL 330 1% 1/2W
R213	1-214-852-51	s	METAL 330 1% 1/2W
R214	1-216-690-11	s	METAL, CHIP 43k 0.5% 1/10W
R215	1-216-685-11	s	METAL, CHIP 27k 0.5% 1/10W
R216	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R217	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R225	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R226	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R227	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R228	1-216-690-11	s	METAL, CHIP 43k 0.5% 1/10W
R229	1-216-685-11	s	METAL, CHIP 27k 0.5% 1/10W
R230	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R231	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R232	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R233	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R234	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R235	1-218-768-11	s	METAL 470k 0.5% 1/10W
R236	1-216-677-11	s	METAL, CHIP 12k 0.5% 1/10W
R237	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R238	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R239	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R240	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R241	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R242	1-216-690-11	s	METAL, CHIP 43k 0.5% 1/10W
R243	1-216-685-11	s	METAL, CHIP 27k 0.5% 1/10W
R244	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W

(RE-163 BOARD(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
R245	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R246	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R247	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R248	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R249	1-216-699-11	s	METAL, CHIP 100k 0.5% 1/10W
R250	1-216-684-91	s	METAL 24k 0.5% 1/10W
R251	1-216-627-11	s	METAL, CHIP 100 0.5% 1/10W
R252	1-216-603-11	s	METAL, CHIP 10 0.5% 1/10W
R253	1-216-639-11	s	METAL, CHIP 330 0.5% 1/10W
R254	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R255	1-216-629-11	s	METAL, CHIP 120 0.5% 1/10W
R256	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R257	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R258	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R259	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R260	1-216-651-11	s	METAL, CHIP 1k 0.5% 1/10W
R261	1-216-669-11	s	METAL, CHIP 5.6k 0.5% 1/10W
RV201	1-228-474-00	s	RES, ADJ METAL 10k
RV203	1-228-474-00	s	RES, ADJ METAL 10k
RV204	1-228-474-00	s	RES, ADJ METAL 10k
RV205	1-228-474-00	s	RES, ADJ METAL 10k
RV206	1-228-474-00	s	RES, ADJ METAL 10k

FRAME(HDS-7000)

Ref. No. or Q'ty	Part No.	SP	Description
12pcs	1-763-092-11	s	FAN, DC
6pcs	1-698-873-11	s	FAN, DC
HN101: Not supplied. Replace by components. (TO CN8/CN-1701 BOARD on the top)			
4pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
1pc	1-562-285-11	o	HOUSING 4P
(TO CN203/MB-494 BOARD)			
4pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
1pc	1-562-285-11	o	HOUSING 4P
HN102: Not supplied. Replace by components. (TO CN8/CN-1701 BOARD on the bottom)			
4pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
1pc	1-562-285-11	o	HOUSING 4P
(TO CN204/MB-494 BOARD)			
4pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
1pc	1-562-285-11	o	HOUSING 4P
HN103: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the top and left)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN9/CN-1701 BOARD on the top)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN104: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the bottom and left)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN9/CN-1701 BOARD on the bottom)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN105: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the top and center)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN10/CN-1701 BOARD on the top)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN106: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the bottom and center)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN10/CN-1701 BOARD on the bottom)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN107: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the top and right)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN11/CN-1701 BOARD on the top)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN108: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the bottom and right)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN11/CN-1701 BOARD on the bottom)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P

(FRAME(HDS-7000))

Ref. No. or Q'ty	Part No.	SP	Description
HN109: Not supplied. Replace by components. (TO CN1/CN-1700 BOARD on the top)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN201/MB-494 BOARD)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN110: Not supplied. Replace by components. (TO CN1/CN-1700 BOARD on the bottom)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN202/MB-494 BOARD)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN111: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the top of front fan)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN2/CN-1700 BOARD on the top)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN112: Not supplied. Replace by components. (TO CN4/CN-1539 BOARD on the bottom of front fan)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
(TO CN2/CN-1700 BOARD on the bottom)			
4pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
1pc	1-561-516-00	o	HOUSING, ILG 4P
HN113	1-783-388-11	o	CABLE ASSY, COAXIAL(1ME1, 2ME1)
HN114	1-783-389-11	o	CABLE ASSY, COAXIAL(1ME2, 2ME2)
HN115	1-783-390-11	o	CABLE ASSY, COAXIAL(PGM1, PGM2)
HN116	1-783-391-11	o	CABLE ASSY, COAXIAL(PGM3)
HN117	1-783-392-11	o	CABLE ASSY, COAXIAL(AX1, AX2)
HN118	1-783-393-11	o	CABLE ASSY, COAXIAL(AX3, AX4)
HN119	1-783-394-11	o	CABLE ASSY, COAXIAL(AX5)
HN120	1-783-395-11	o	CABLE ASSY, COAXIAL(AX6, AX7)
HN121	1-783-396-11	o	CABLE ASSY, COAXIAL(AX8, AX9)
HN122	1-783-397-11	o	CABLE ASSY, COAXIAL(AX10)
HN123	1-783-398-11	o	CABLE ASSY, COAXIAL(I1, I2)
HN124	1-783-399-11	o	CABLE ASSY, COAXIAL(I3, I4)
HN125	1-783-400-11	o	CABLE ASSY, COAXIAL(I5, I6)
HN126	1-783-401-11	o	CABLE ASSY, COAXIAL(I7, I8)
HN127	1-783-402-11	o	CABLE ASSY, COAXIAL(I9, I10)
HN128	1-783-403-11	o	CABLE ASSY, COAXIAL(I11, I12)
HN129	1-783-404-11	o	CABLE ASSY, COAXIAL(I13, I14)
HN130	1-783-405-11	o	CABLE ASSY, COAXIAL(I15, I16)
HN131	1-783-406-11	o	CABLE ASSY, COAXIAL(I17, I18)
HN132	1-783-407-11	o	CABLE ASSY, COAXIAL(I19, I20)
HN133	1-783-408-11	o	CABLE ASSY, COAXIAL(I21, I22)
HN134	1-783-409-11	o	CABLE ASSY, COAXIAL(I23, I24)
HN135	1-783-410-11	o	CABLE ASSY, COAXIAL(I25, I26)
HN136	1-783-411-11	o	CABLE ASSY, COAXIAL(I27, I28)
HN137	1-783-412-11	o	CABLE ASSY, COAXIAL(I29, I30)
HN138	1-783-413-11	o	CABLE ASSY, COAXIAL(PVW)
HN139	1-783-414-11	o	CABLE ASSY, COAXIAL(CLN)

FRAME(HKDS-7690)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	⚠ 1-533-965-11	s	BREAKER 20A 250V
4pcs	1-698-873-11	s	FAN, DC
HN101	1-958-624-11	o	HARNESS (AC 2A)
(TO CN101/RE-162 BOARD)			
2pcs	1-506-346-11	o	TERMINAL, SOLDERLESS
(TO BREAKER)			
2pcs	1-535-427-00	o	TERMINAL, WIRE-END
HN102	1-958-625-11	o	HARNESS (AC 2B)
(TO CN102/RE-162 BOARD)			
2pcs	1-506-346-11	o	TERMINAL, SOLDERLESS
(TO BREAKER)			
2pcs	1-535-427-00	o	TERMINAL, WIRE-END
HN103	1-958-626-12	o	HARNESS (HD CS)
(TO CN105/RE-162 BOARD)			
1pc	1-562-211-11	o	HOUSING 3P
2pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN203/RE-163 BOARD)			
1pc	1-562-211-11	o	HOUSING 3P
2pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
HN104	1-958-627-11	o	HARNESS (HD CL)
(TO CN103/RE-162 BOARD)			
1pc	1-562-286-11	o	HOUSING 5P
3pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN201/RE-163 BOARD)			
1pc	1-562-286-11	o	HOUSING 5P
3pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
HN105	1-958-627-11	o	HARNESS (HD CL)
(TO CN104/RE-162 BOARD)			
1pc	1-562-286-11	o	HOUSING 5P
3pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN202/RE-163 BOARD)			
1pc	1-562-286-11	o	HOUSING 5P
3pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
HN106: Not supplied. Replace by components.			
(TO CN204/RE-163 BOARD)			
1pc	1-561-514-00	o	HOUSING, ILG 2P
2pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
(TO CN1/LE-55 BOARD)			
1pc	1-569-196-11	o	HOUSING 3P
2pcs	1-569-193-11	o	CONTACT, FEMALE
HN107	⚠ 1-958-769-11	o	HARNESS (WITH INLET)
(TO FILTER)			
2pcs	1-506-346-11	o	TERMINAL, SOLDERLESS
1pc	1-537-568-11	o	TERMINAL, GROUND
HN108: Not supplied. Replace by components.			
(TO CN209/RE-163 BOARD)			
1pc	1-561-514-00	o	HOUSING, ILG 2P
2pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
(TO CN210/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN211/RE-163 BOARD)			
1pc	1-563-888-11	s	HOUSING, 10P, FEMALE
10pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN212/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN213/RE-163 BOARD)			
1pc	1-563-888-11	s	HOUSING, 10P, FEMALE
10pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22

(FRAME(HKDS-7690))

Ref. No. or Q'ty	Part No.	SP	Description
(TO CN214/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN215/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
HN109: Not supplied. Replace by components.			
(TO CN216/RE-163 BOARD)			
1pc	1-562-287-11	o	HOUSING 6P
6pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN217/RE-163 BOARD)			
1pc	1-563-888-11	s	HOUSING, 10P, FEMALE
10pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN218/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN219/RE-163 BOARD)			
1pc	1-563-888-11	s	HOUSING, 10P, FEMALE
10pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN220/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22
(TO CN221/RE-163 BOARD)			
1pc	1-561-518-00	o	HOUSING, ILG 6P
6pcs	1-560-372-00	o	CONTACT, FEMALE AWG22-28
(TO CN222/RE-163 BOARD)			
1pc	1-562-640-11	o	HOUSING, 8P, FEMALE
8pcs	1-562-210-11	o	CONTACT, FEMALE AWG18-22

PACKING MATERIALS(HDS-7000)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-695-542-11	o	TERMINATOR

PACKING MATERIALS(HKDS-7690)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	1-958-837-12	o	HARNESS (MB-PA)
1pc	1-958-838-12	o	HARNESS (MB-PB)
2pcs	3-200-236-01	o	BRACKET, FIXED
1pc	3-704-356-01	o	SHEET (STANDARD), PROTECTION
6pcs	7-682-561-04	s	SCREW +B 4x8
8pcs	7-682-961-01	s	SCREW +PSW 4x8

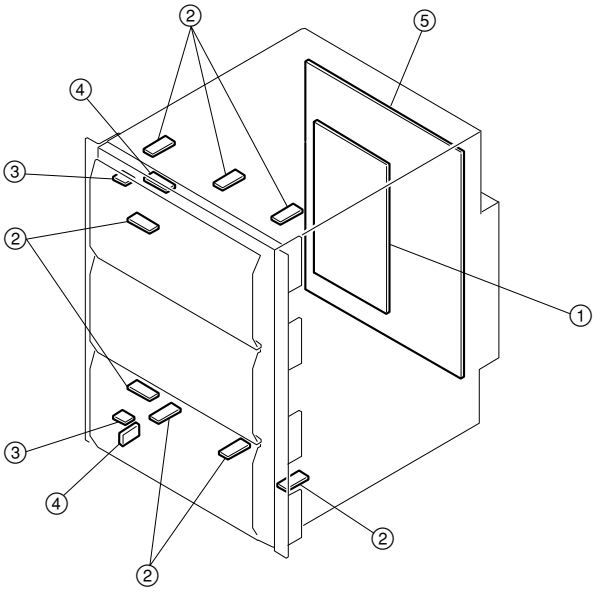
OPTIONAL FIXTURES(HDS-7000)

Ref. No. or Q'ty	Part No.	SP	Description
1pc	J-6520-290-A	o	EXTENSION BOARD, EX-638
1pc	J-6520-300-A	o	EXTENSION BOARD, EX-700

Section 4
Location of Mounted Circuit Boards

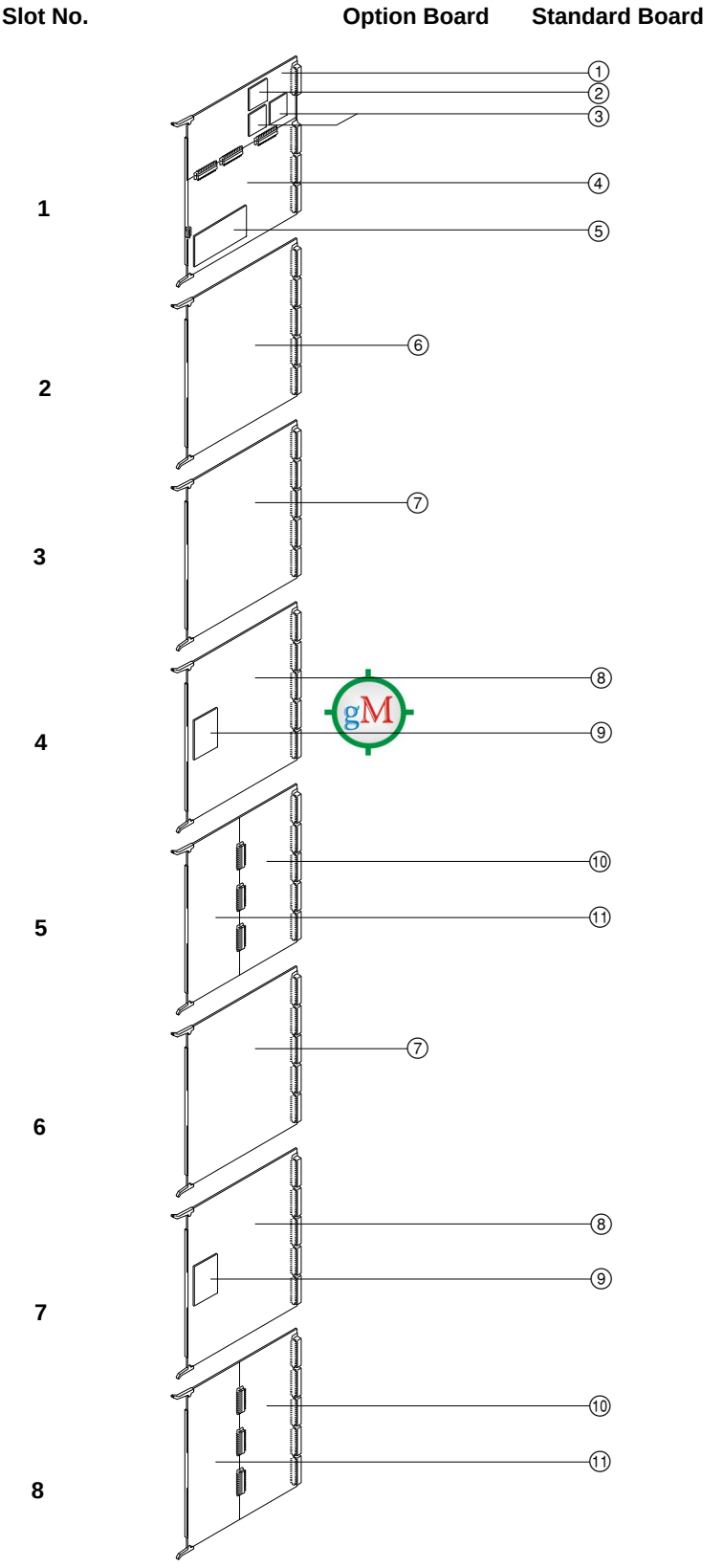
4-1. HDS-7000

1. Except Plug-in Boards



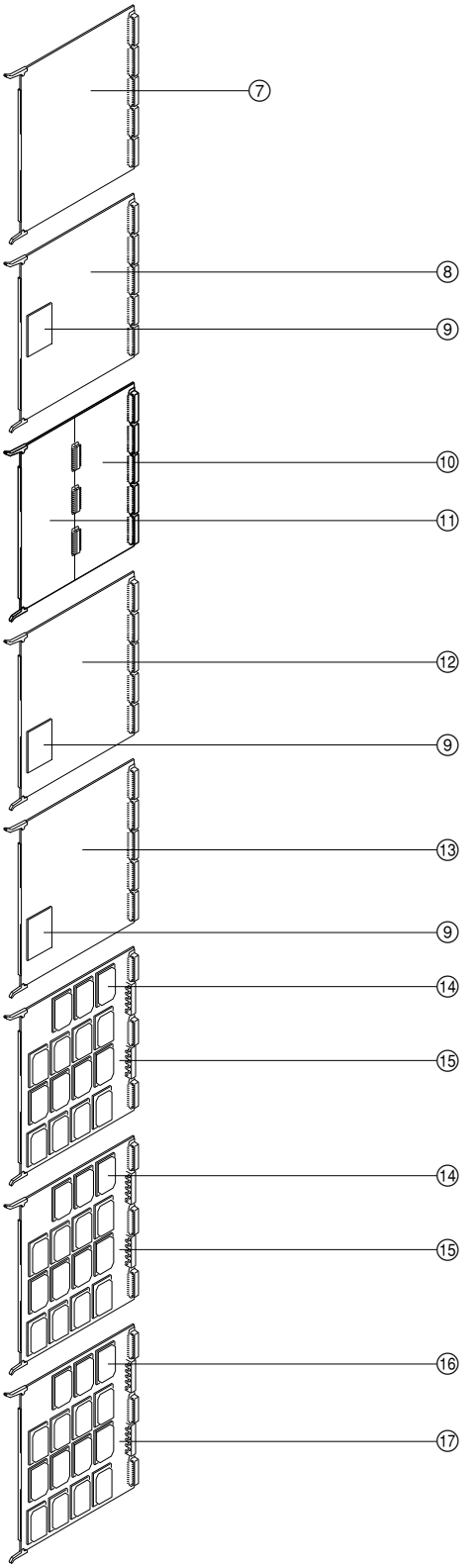
No	Board name	Circuit function	Model name
1	CN-1439	Connector board	HDS-7000
2	CN-1539	Connector board	
3	CN-1700	Connector board	
4	CN-1701	Connector board	
5	MB-494	Mother board	

2. Plug-in Boards



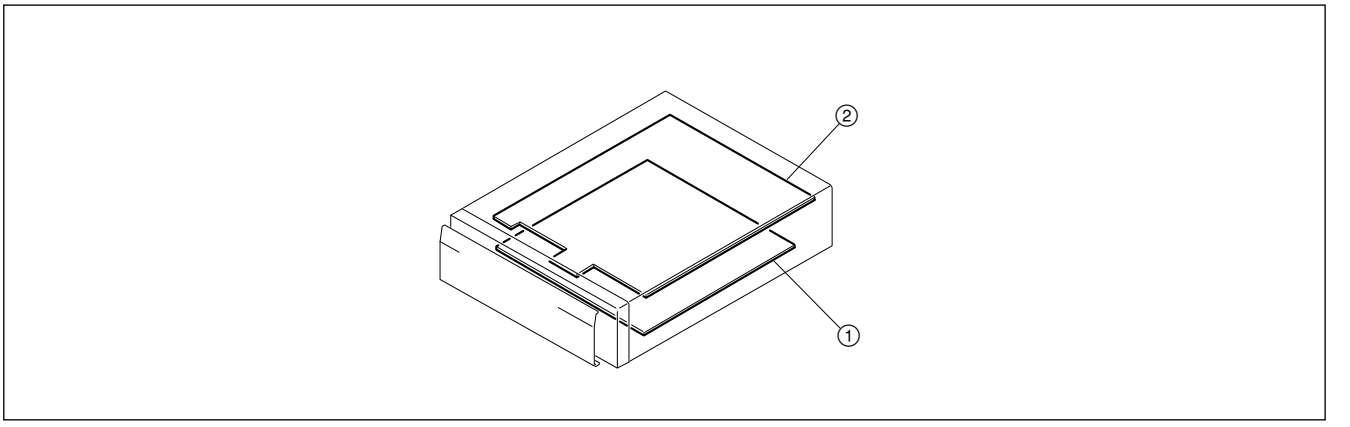
No	Board name	Circuit function	Model name
1	CPU-183	CPU board	HDS-7000
2	MEM-92	Memory board	
3	MEM-87	Memory board	
4	CKG-10A	Clock generator board	
5	IF-656	RS-422A IF board	
6	MY-65	Frame memory board	HKDS-7041
7	CRK-9	Chromakey board	HKDS-7031
8	MIX-13	Mixer board	HDS-7000
9	WKG-26	Wipe generator board	
10	KPC-3	Key processor board	
11	WKG-25	Wipe generator board	

Slot No.	Option Board	Standard Board
9		⑦
10		⑧ ⑨
11		⑩ ⑪
12		⑫ ⑨
13		⑬ ⑨
14		⑭ ⑮
15		⑭ ⑮
16		⑯ ⑰



No	Board name	Circuit function	Model name
7	CRK-9	Chromakey board	HKDS-7031
8	MIX-13	Mixer board	HDS-7000
9	WKG-26	Wipe generator board	
10	KPC-3	Key processor board	
11	WKG-25	Wipe generator board	
12	VSW-33	Crosspoint board (Luminance)	
13	VSW-33	Crosspoint board (Chrominance)	
14	RX-35	HD SDI input module	
15	DI-21	Input board (IN16 to IN30)	
16	TX-52	HD SDI output module	
17	OUT-7	Output board	

4-2. HKDS-7690



No	Board name	Circuit function	Model name
1	RE-162	AC-DC converter board	HKDS-7690
2	RE-163	DC-DC converter board	

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Section 5
Block Diagrams

5-1. Overall Block Diagrams

No.	Board Designation	Description	Page
5-1-1.	HDS-7000/HKDS-7690		5-2
5-1-2.	BKDS-7011/7012		5-3
5-1-3.	BKDS-7025/7026		5-6

5-2. PC Board Block Diagrams/HDS-7000

No.	Board Designation	Description	Page
5-2-1.	CKG-10A, IF-656	Clock Generator Board, RS-422A IF Board	5-9
5-2-2.	CPU-183	CPU Board	5-10
5-2-3.	DI-21	Input Board	5-12
5-2-4.	KPC-3	Key Processor Board	5-14
5-2-5.	MEM-87	Memory Board	5-15
5-2-6.	MEM-92	Memory Board	5-16
5-2-7.	MIX-13	Mixer Board	5-17
5-2-8.	OUT-7	Output Board	5-22
5-2-9.	VSW-33	Crosspoint Board	5-25
5-2-10.	WKG-25	Wipe Generator Board	5-27
5-2-11.	WKG-26	Wipe Generator Board	5-28

5-3. PC Board Block Diagrams/HKDS-7690

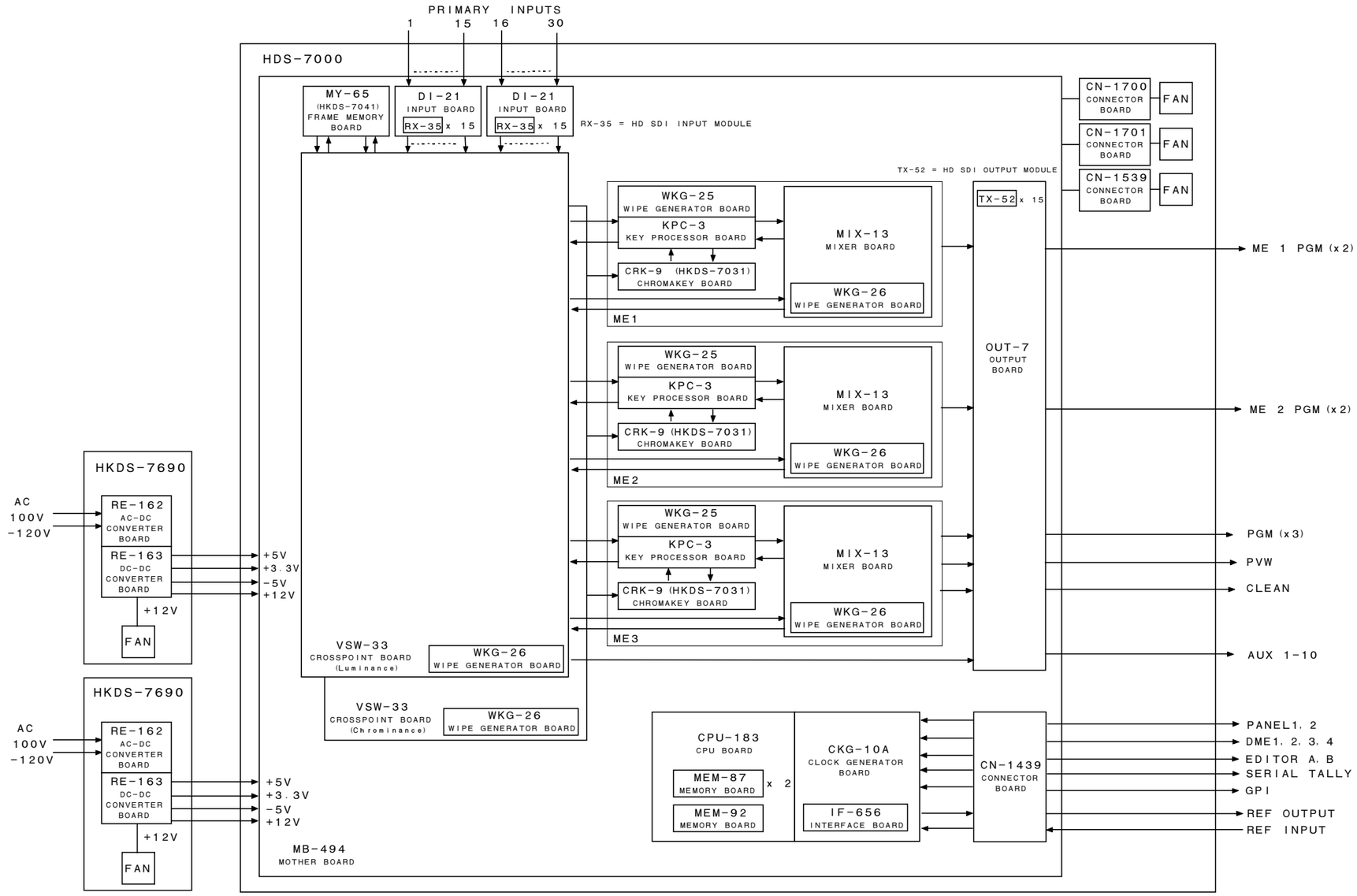
No.	Board Designation	Description	Page
5-3-1.	RE-162	AC-DC Converter	5-29
5-3-2.	RE-163	DC-DC Converter	5-30

5-1

5-1. Overall Block Diagrams

5-1-1. HDS-7000/HKDS-7690

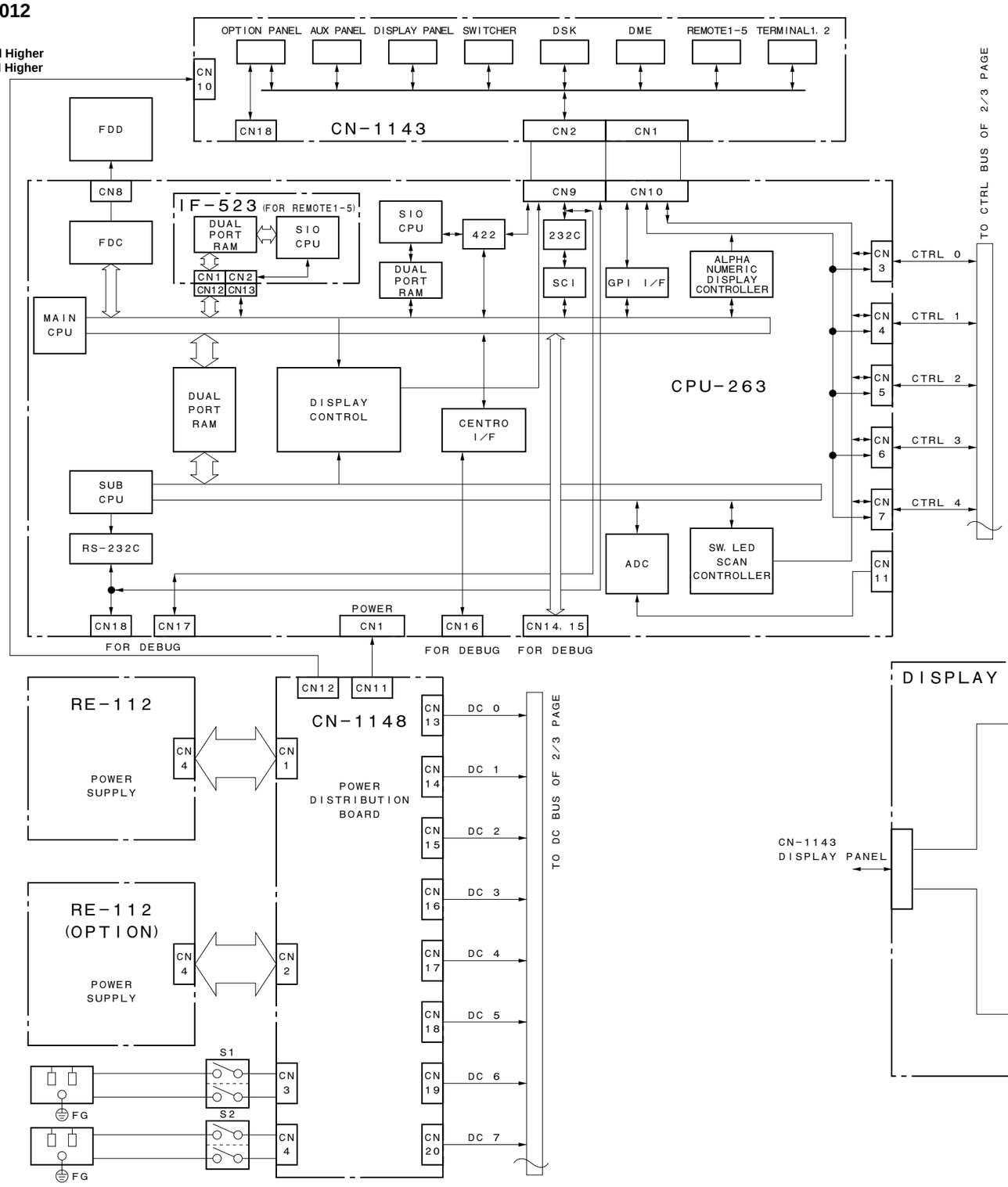
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher
HKDS-7690 (J) : S/N 10001 and Higher
HKDS-7690 (UCJ) : S/N 11001 and Higher



Overall
HDS-7000
HKDS-7690

5-1-2. BKDS-7011/7012

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

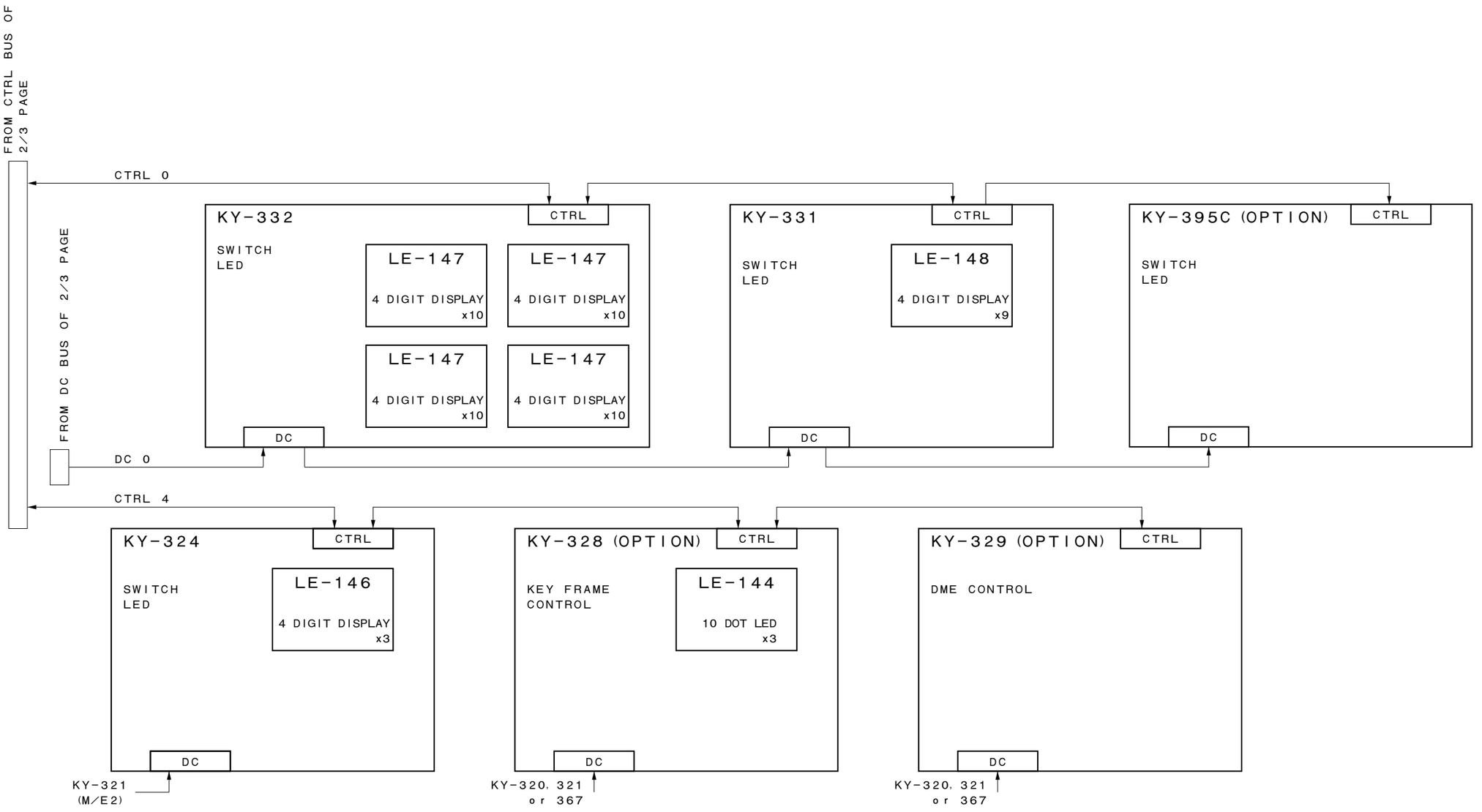


Overall (1/3)
BKDS-7011/7012

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

Overall (2/3)
BKDS-7011/7012

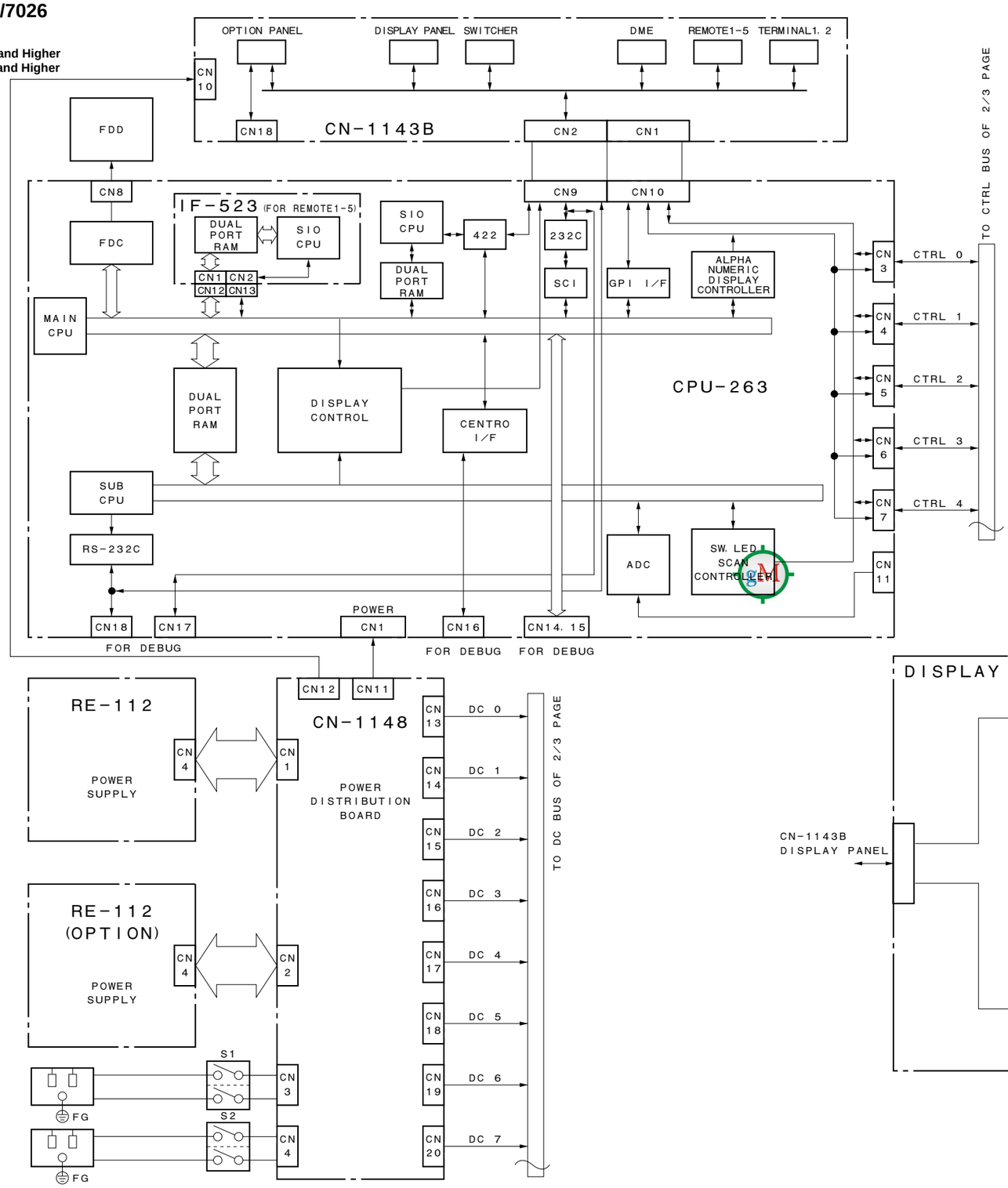
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Overall (3/3)
BKDS-7011/7012

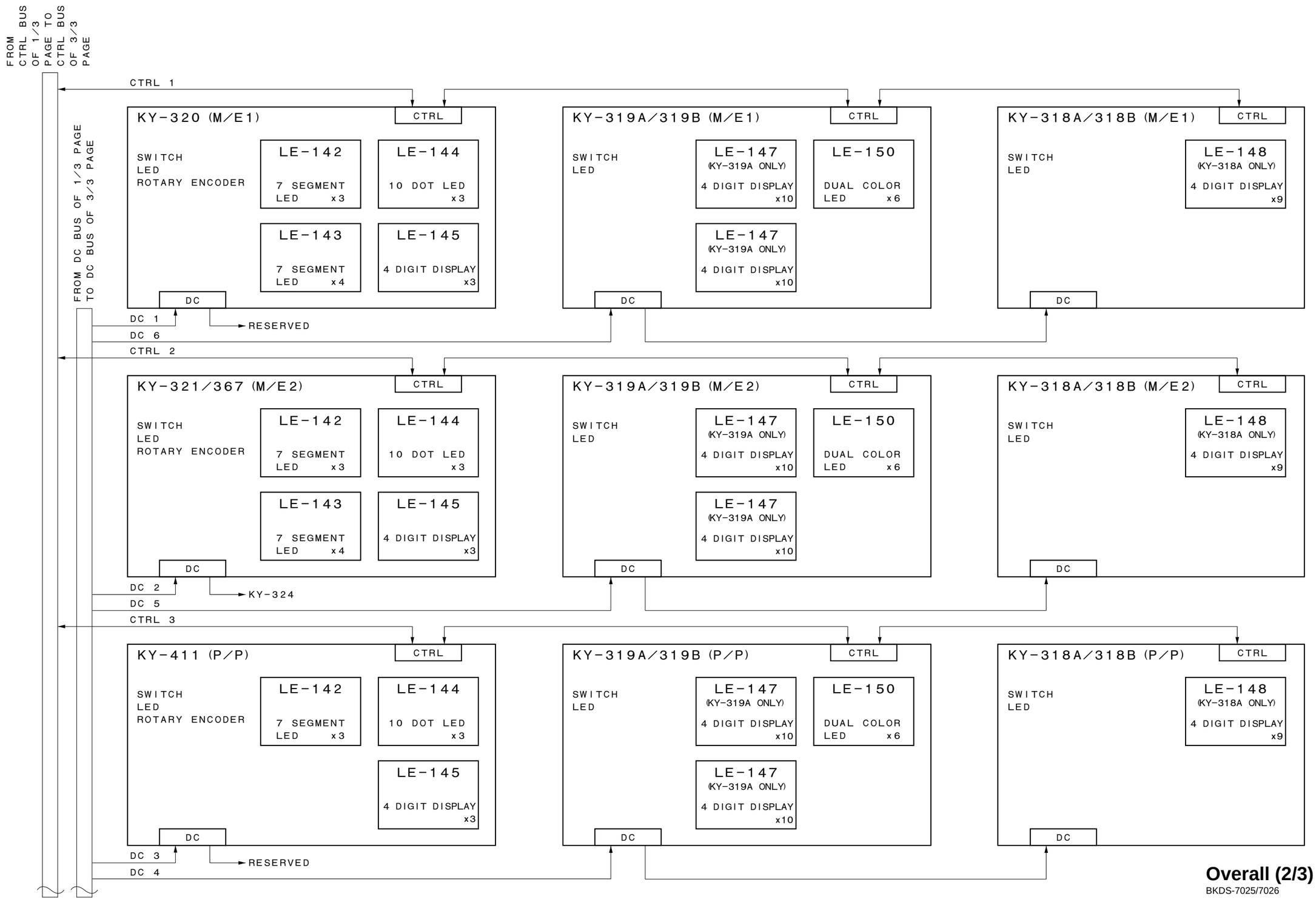
5-1-3. BKDS-7025/7026

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



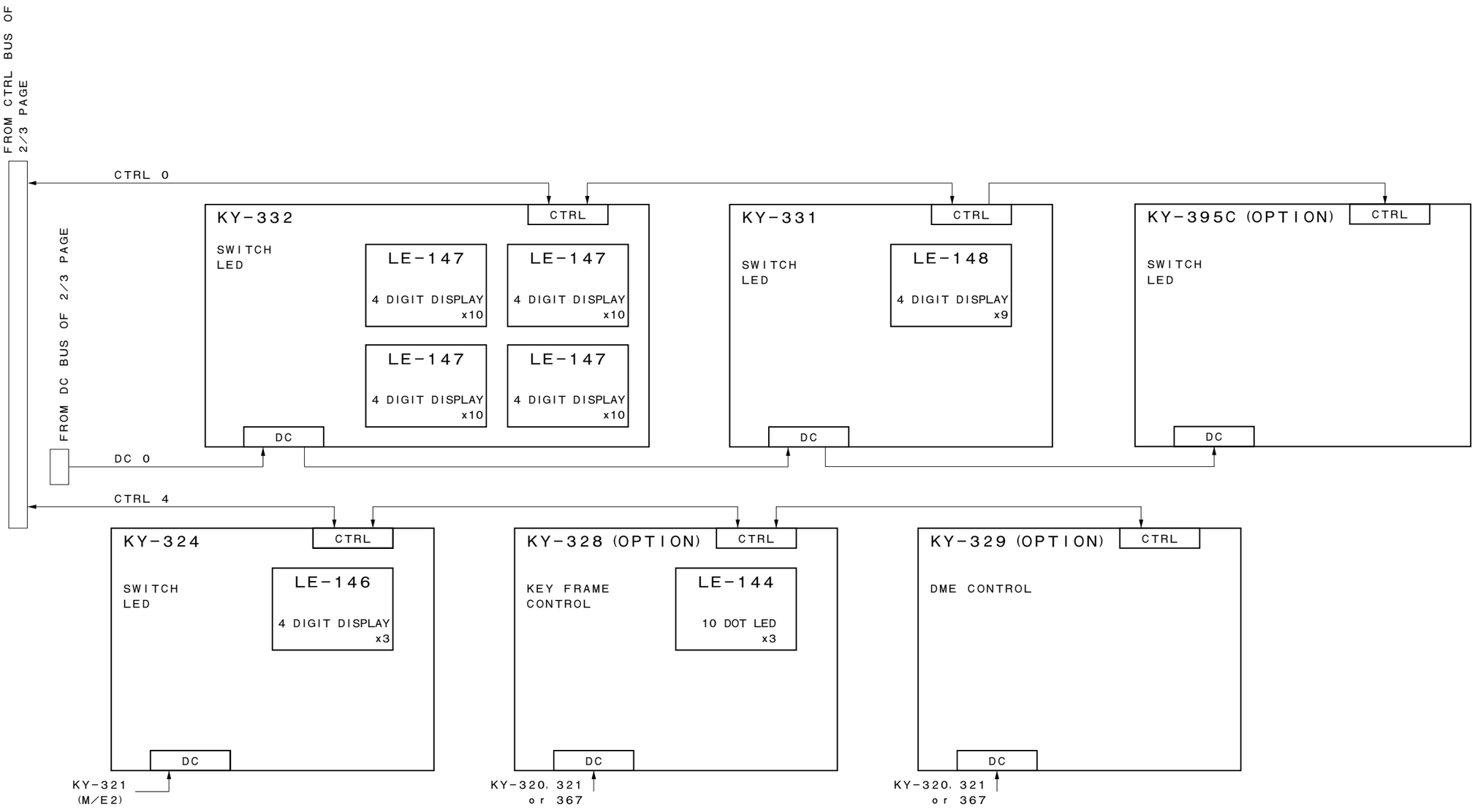
Overall (1/3)
BKDS-7025/7026

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Overall (2/3)
BKDS-7025/7026

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

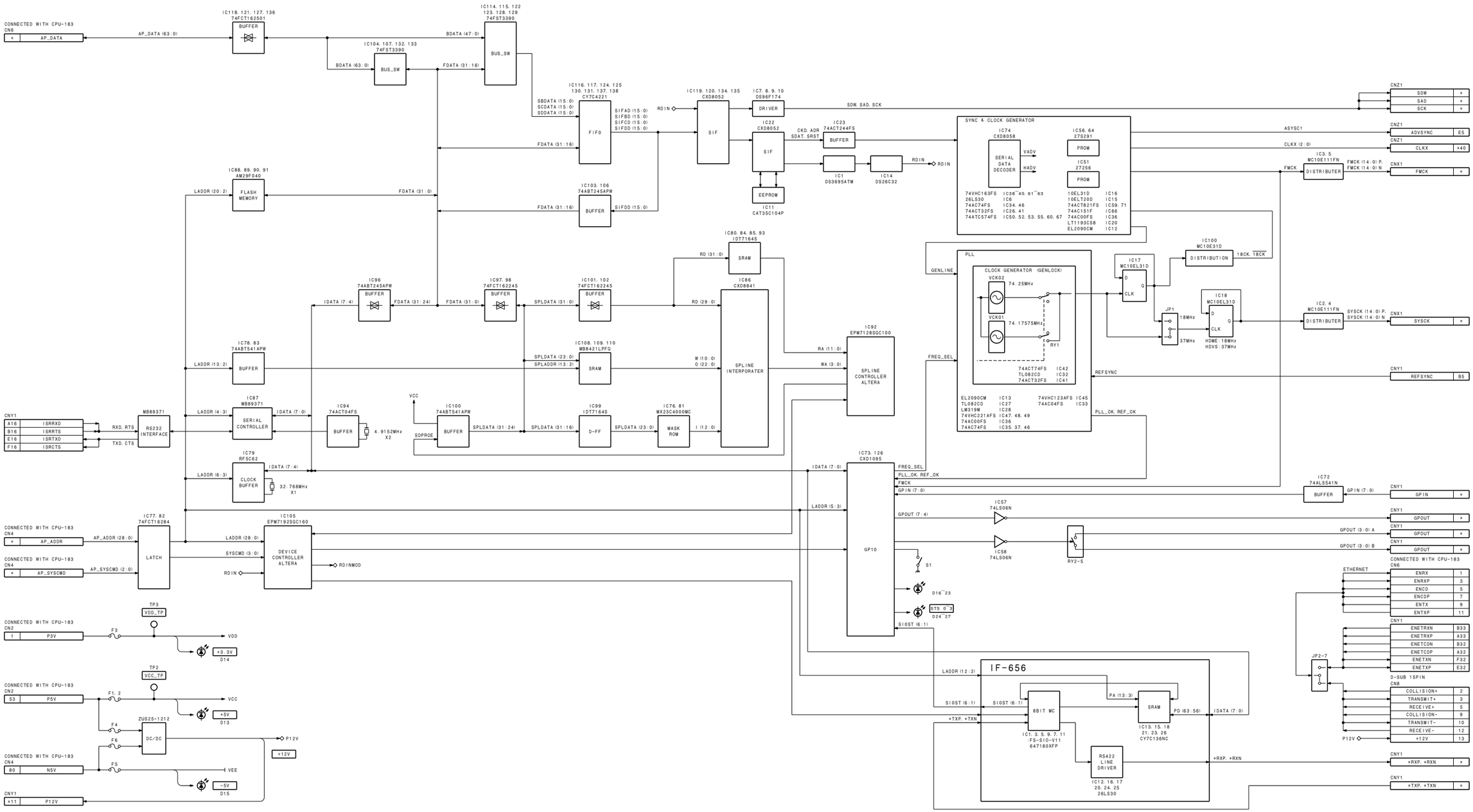


Overall (3/3)
BKDS-7025/7026

5-2. PC Board Block Diagrams/HDS-7000

5-2-1. CKG-10A, IF-656

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

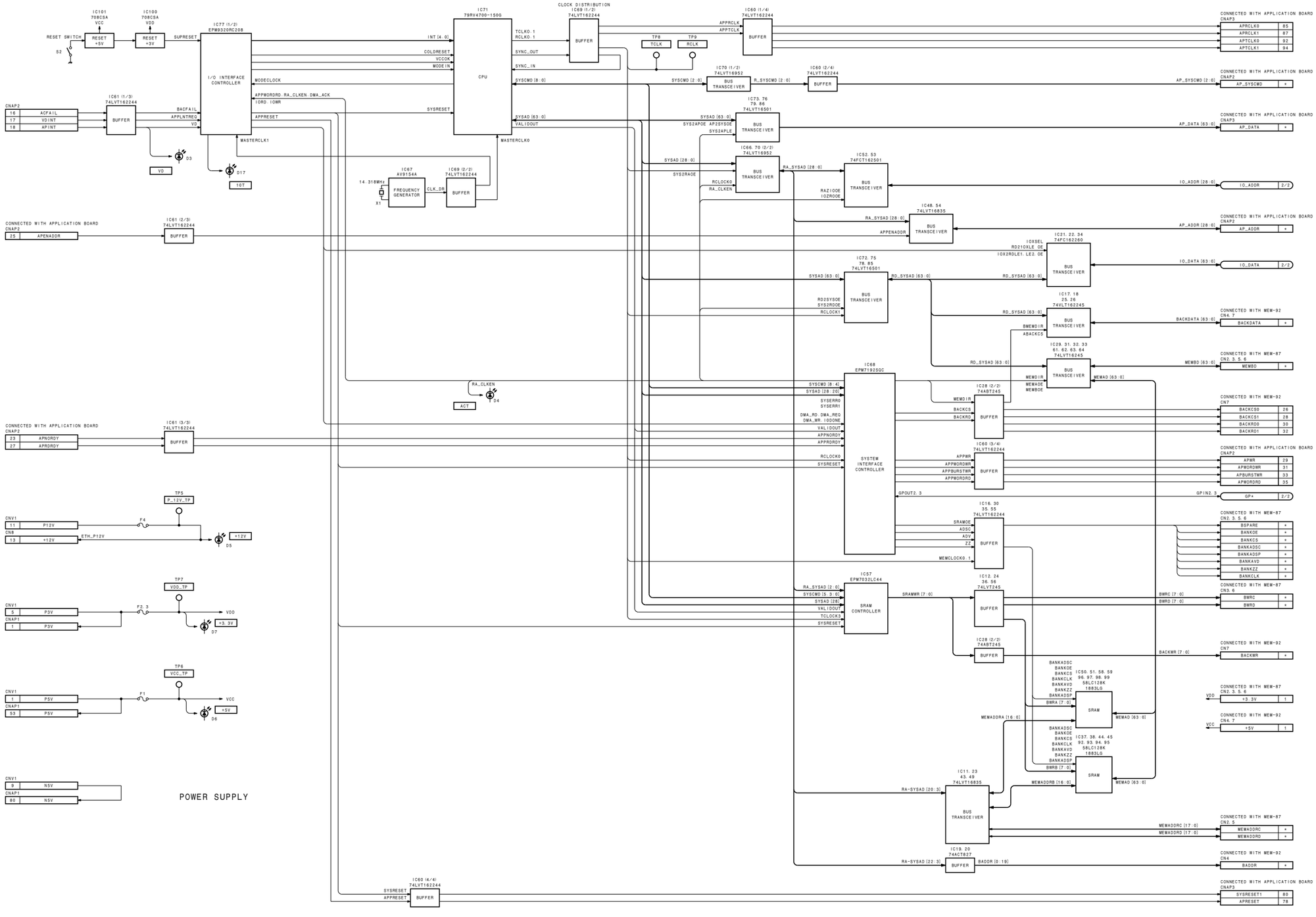


Clock Generator Board
CKG-10A

RS-422A IF Board
IF-656

5-2-2. CPU-183

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



CPU Board
CPU-183 (1/2)

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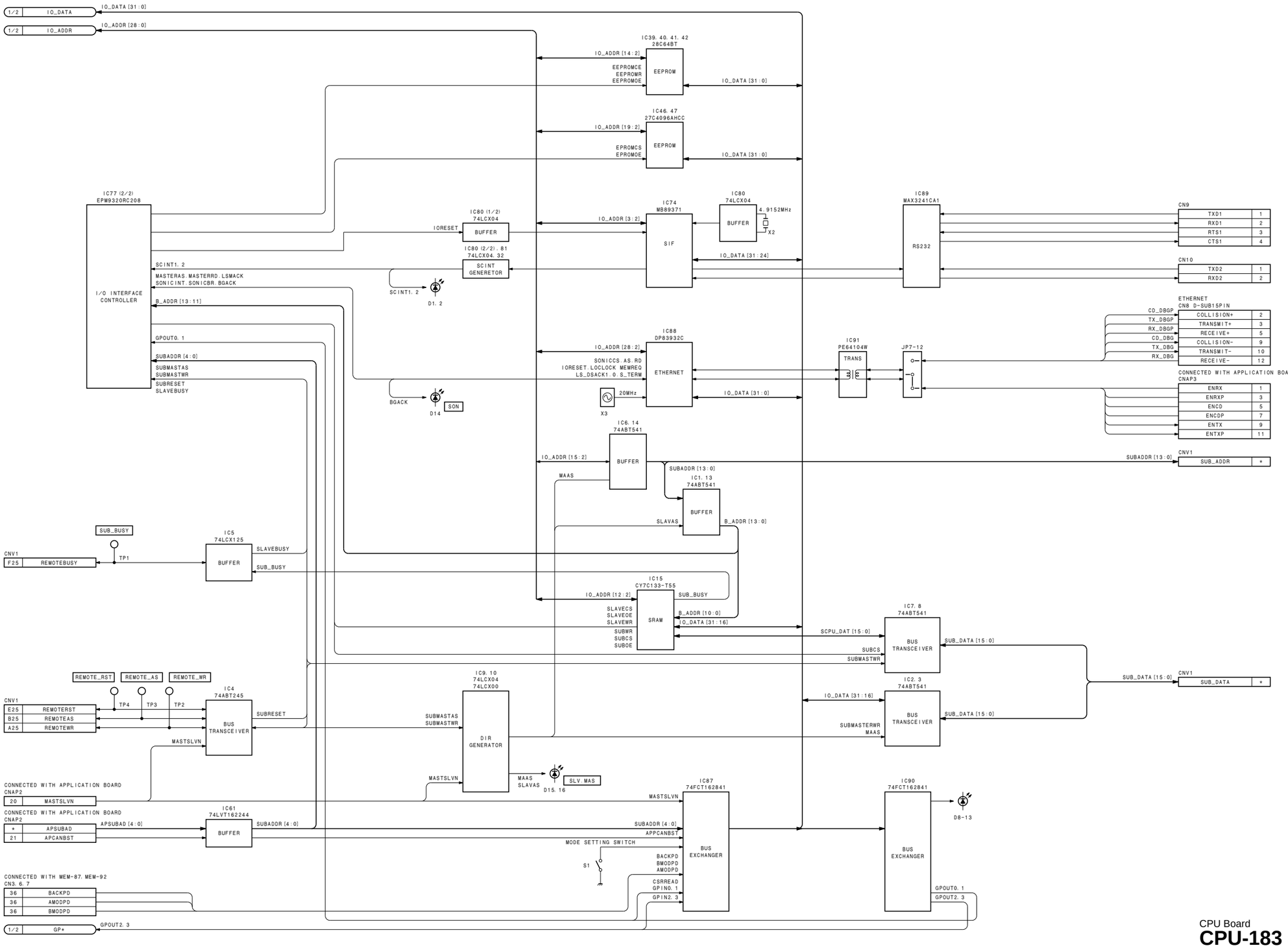
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

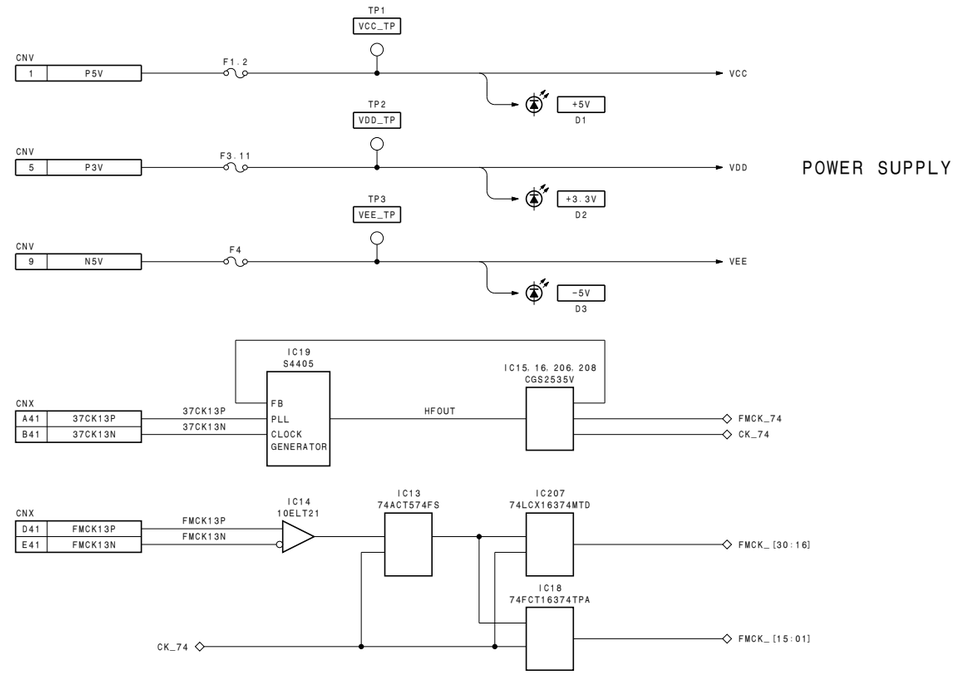


CPU Board
CPU-183 (2/2)

DI-21 (1/2) Block Diagram

5-2-3. DI-21

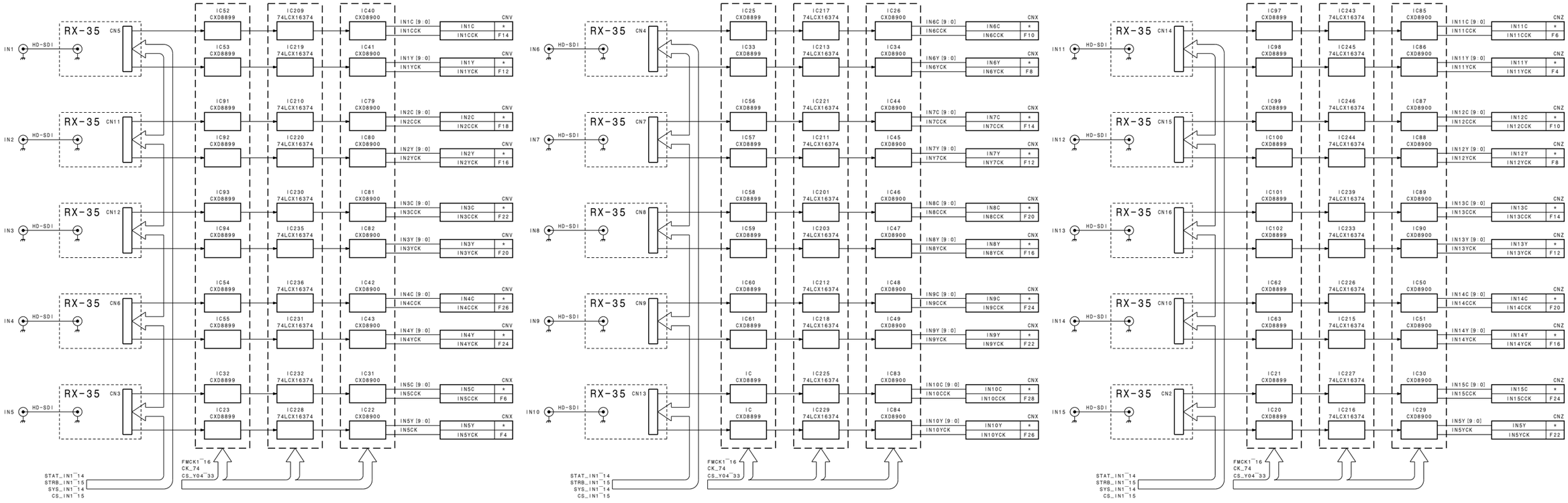
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



POWER SUPPLY

Input Board
DI-21 (1/2)

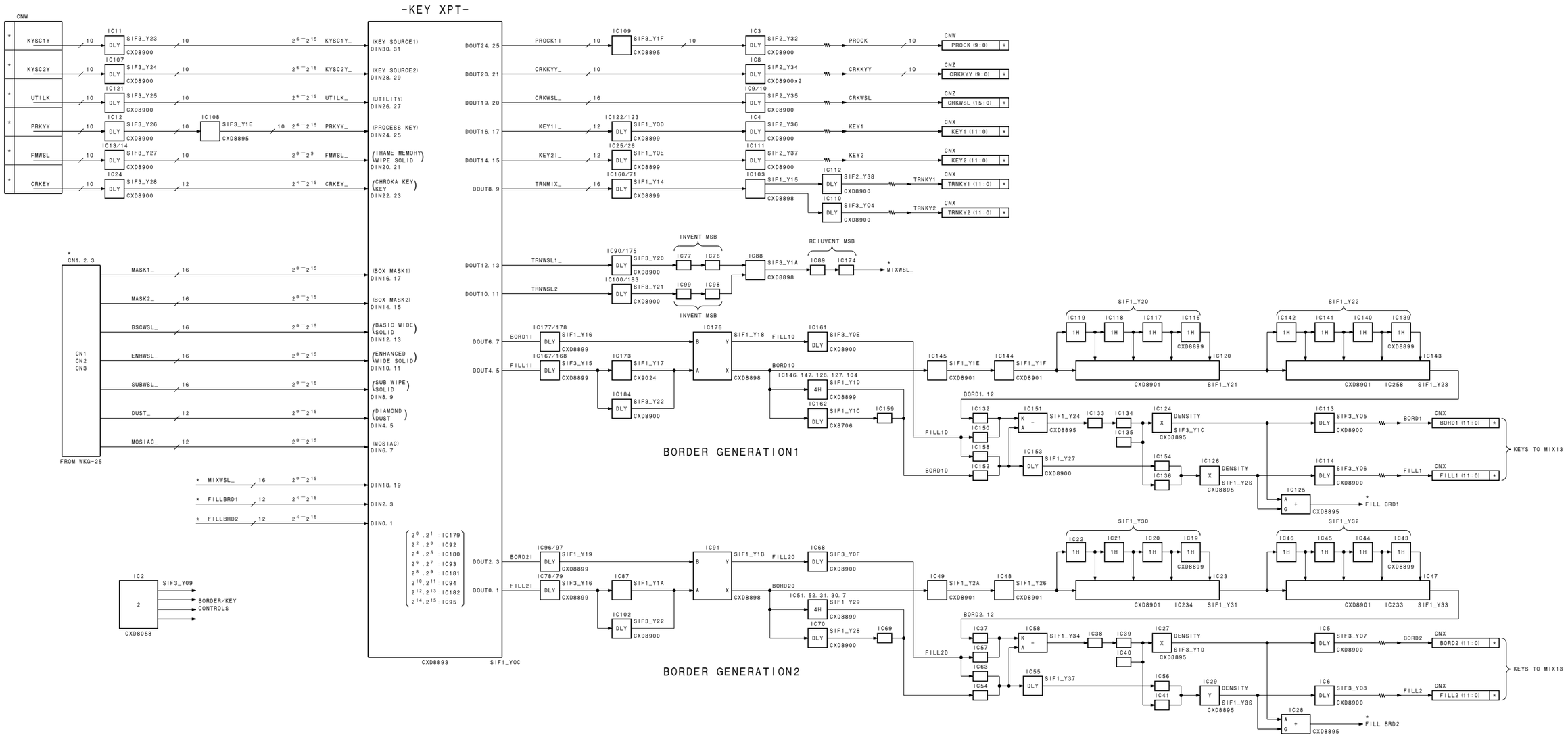
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Input Board
DI-21 (2/2)

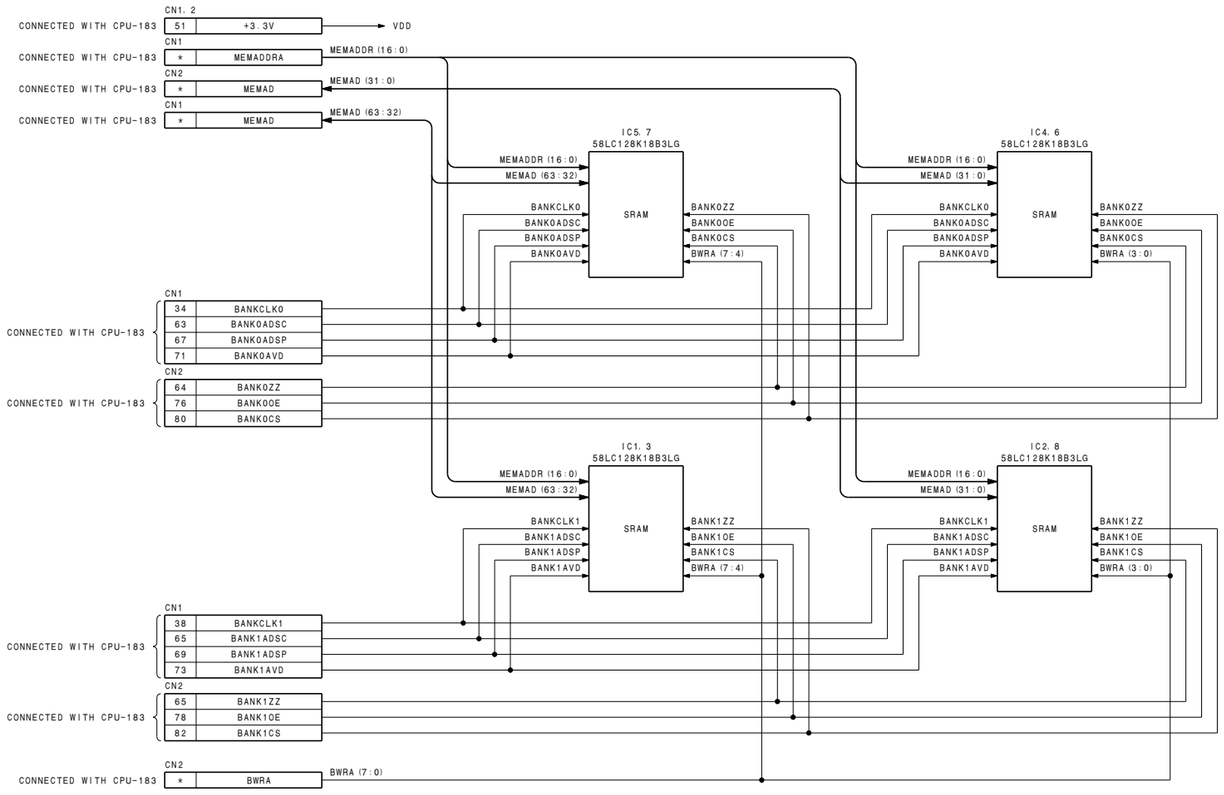
5-2-4. KPC-3

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



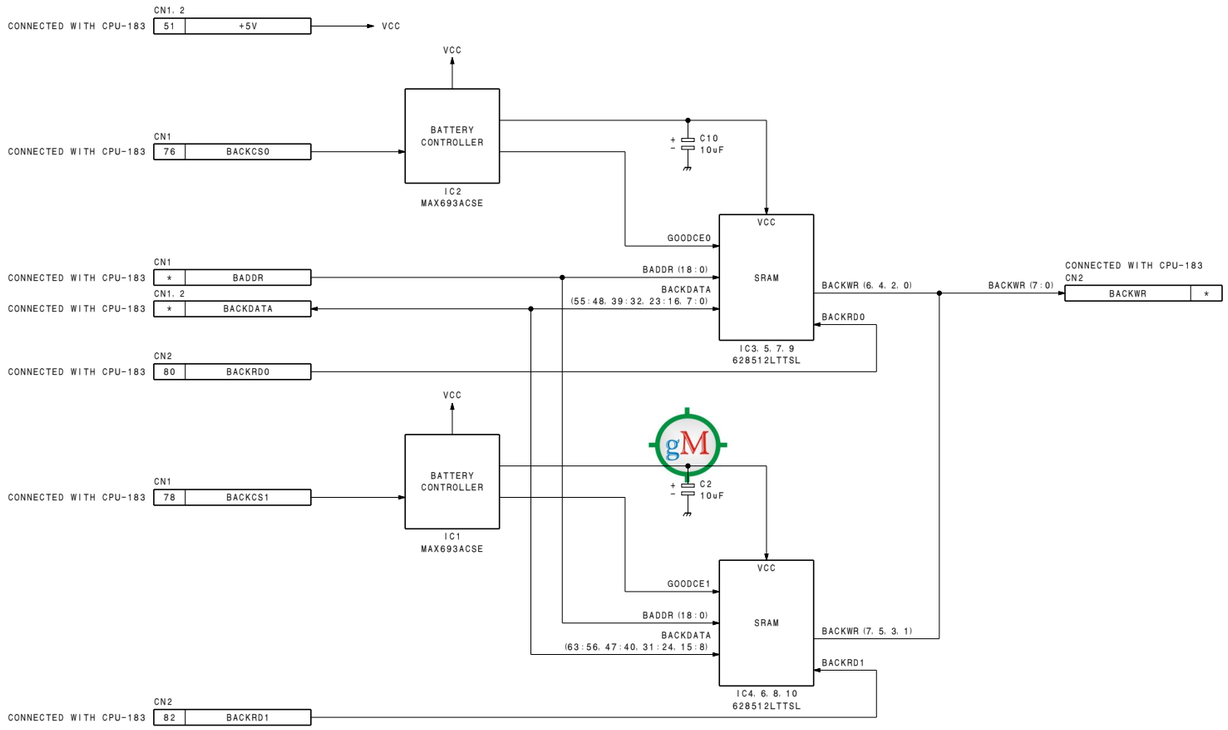
5-2-5. MEM-87

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



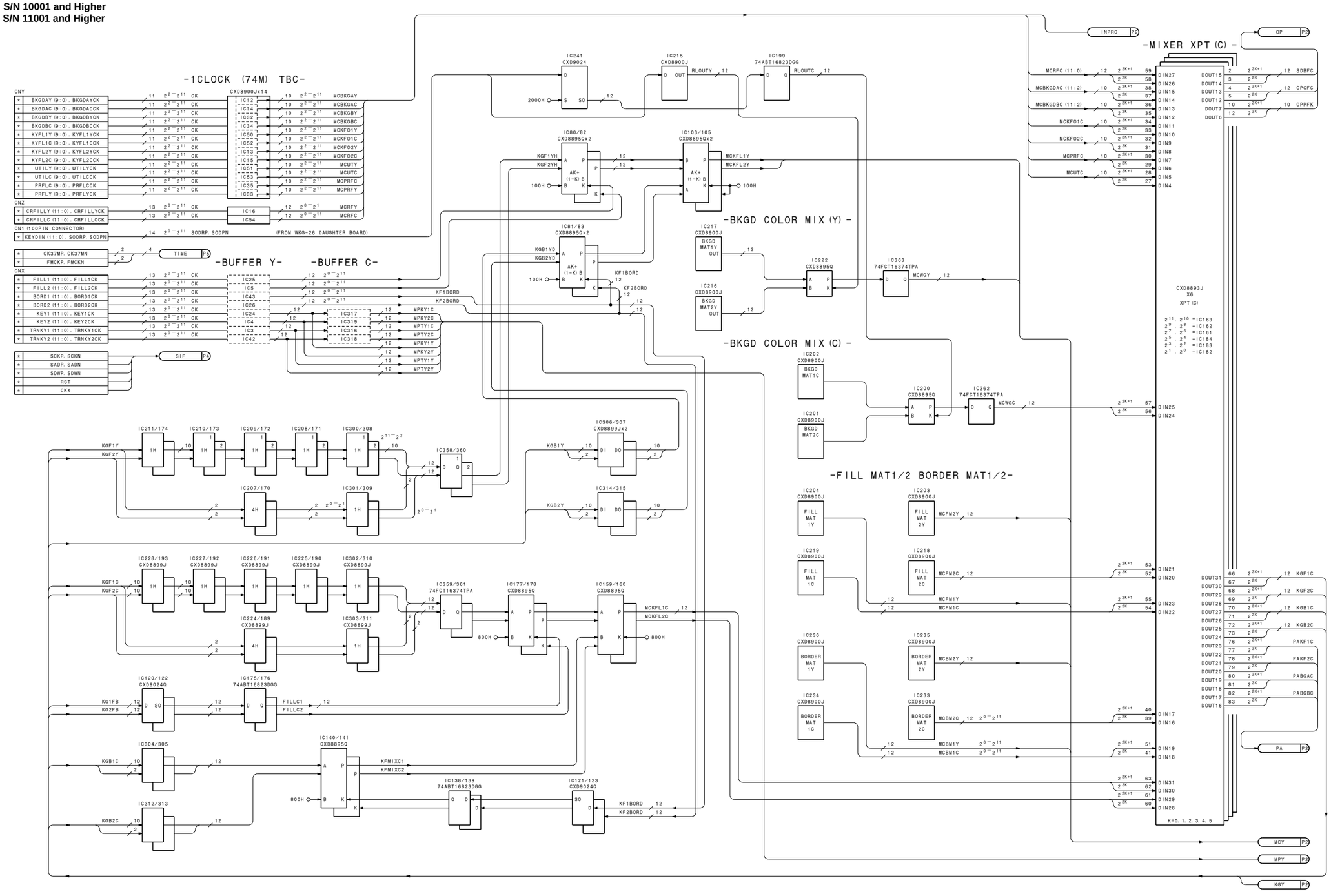
5-2-6. MEM-92

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



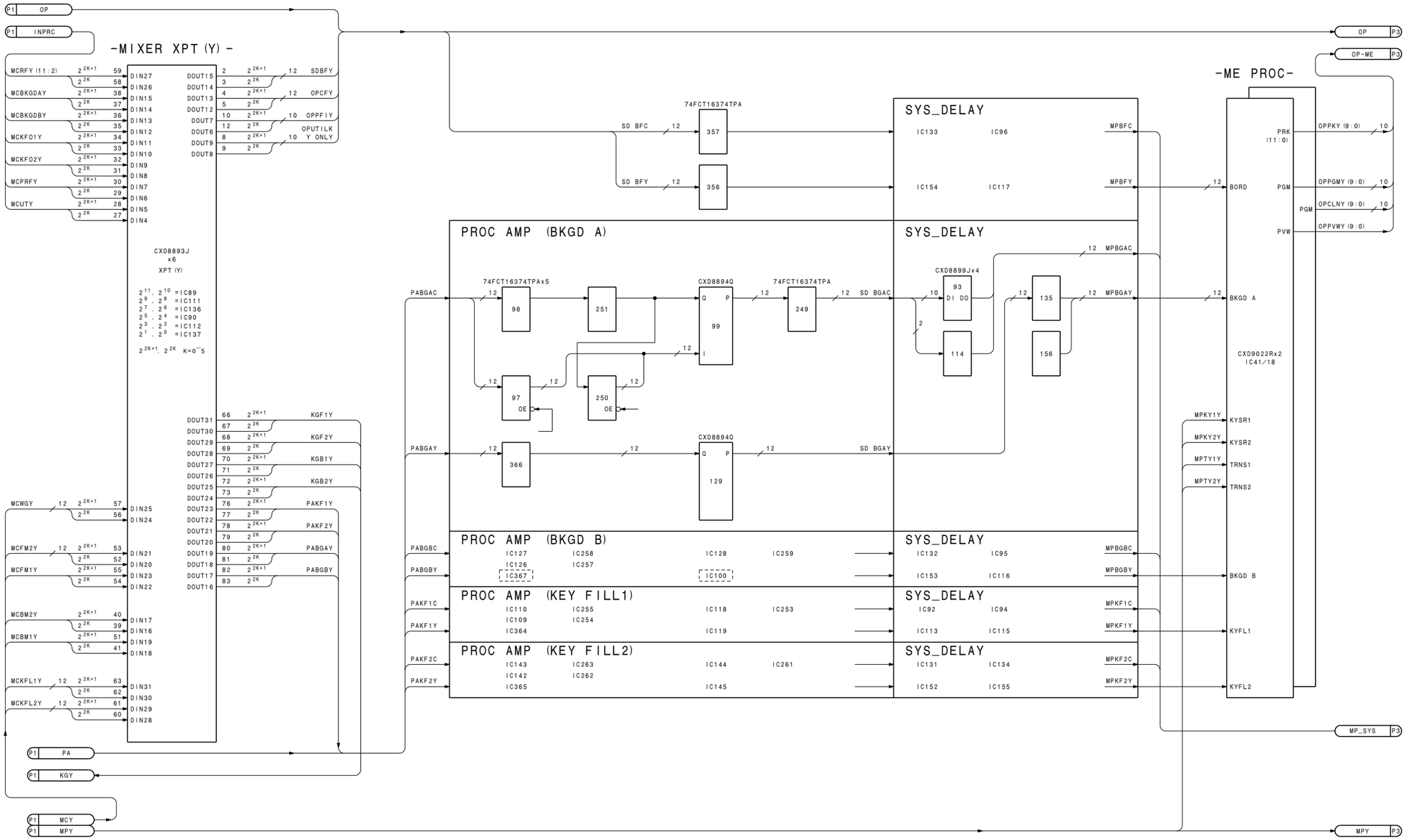
5-2-7. MIX-13

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



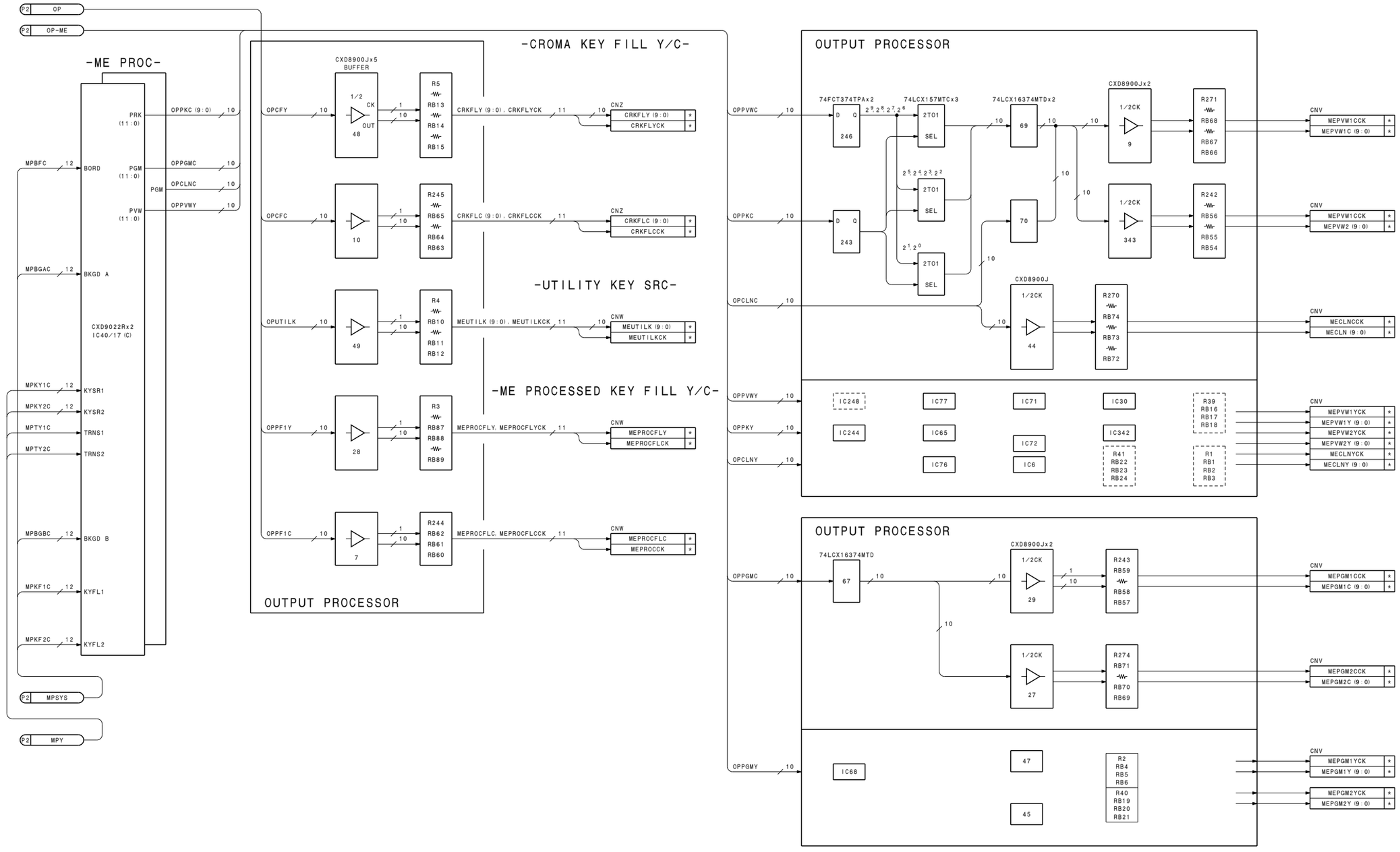
Mixer Board
MIX-13 (1/5)

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



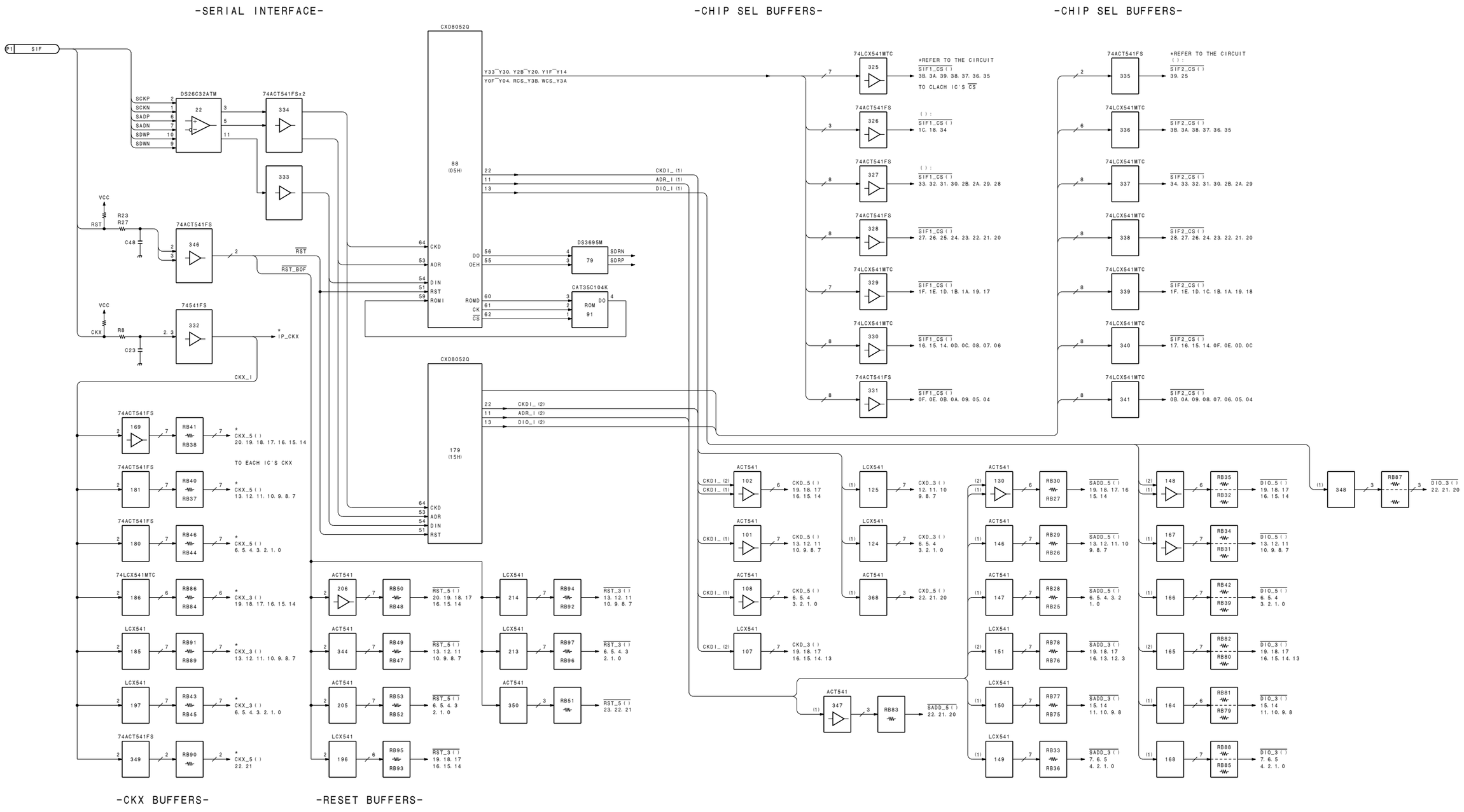
Mixer Board
MIX-13 (2/5)

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Mixer Board
MIX-13 (3/5)

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher


-SERIAL INTERFACE-
-CHIP SEL BUFFERS-
-CHIP SEL BUFFERS-
-CKX BUFFERS-
-RESET BUFFERS-
CXD8052Q
SIF
SCKP
SCKN
SADP
SADN
SDWP
SDWN
DS26C32ATM
74ACT541FSx2
VCC
RST
R23
R27
C48
74ACT541FS
CKX
R8
C23
74541FS
CKX_I
IP_CKX
TO EACH IC'S CKX
CKD
ADR
DIN
RST
ROMI
DO
OEH
ROMD
CK
CS
DS3695M
SDRN
SDRP
CAT35C104K
ROM
CKDI_ (1)
ADR_I (1)
DIO_I (1)
CKDI_ (2)
ADR_I (2)
DIO_I (2)
Y33¯Y30. Y2B¯Y20. Y1F¯Y14
Y0F¯Y04. RCS_Y3B. WCS_Y3A
74LCX541MTC
74ACT541FS
74LCX541MTC
*REFER TO THE CIRCUIT
TO CLACH IC'S CS
*REFER TO THE CIRCUIT
74LCX541MTC
74ACT541FS
74LCX541MTC
74LCX541MTC
74ACT541FS
74LCX541MTC
74LCX541MTC
74ACT541FS
74LCX541MTC

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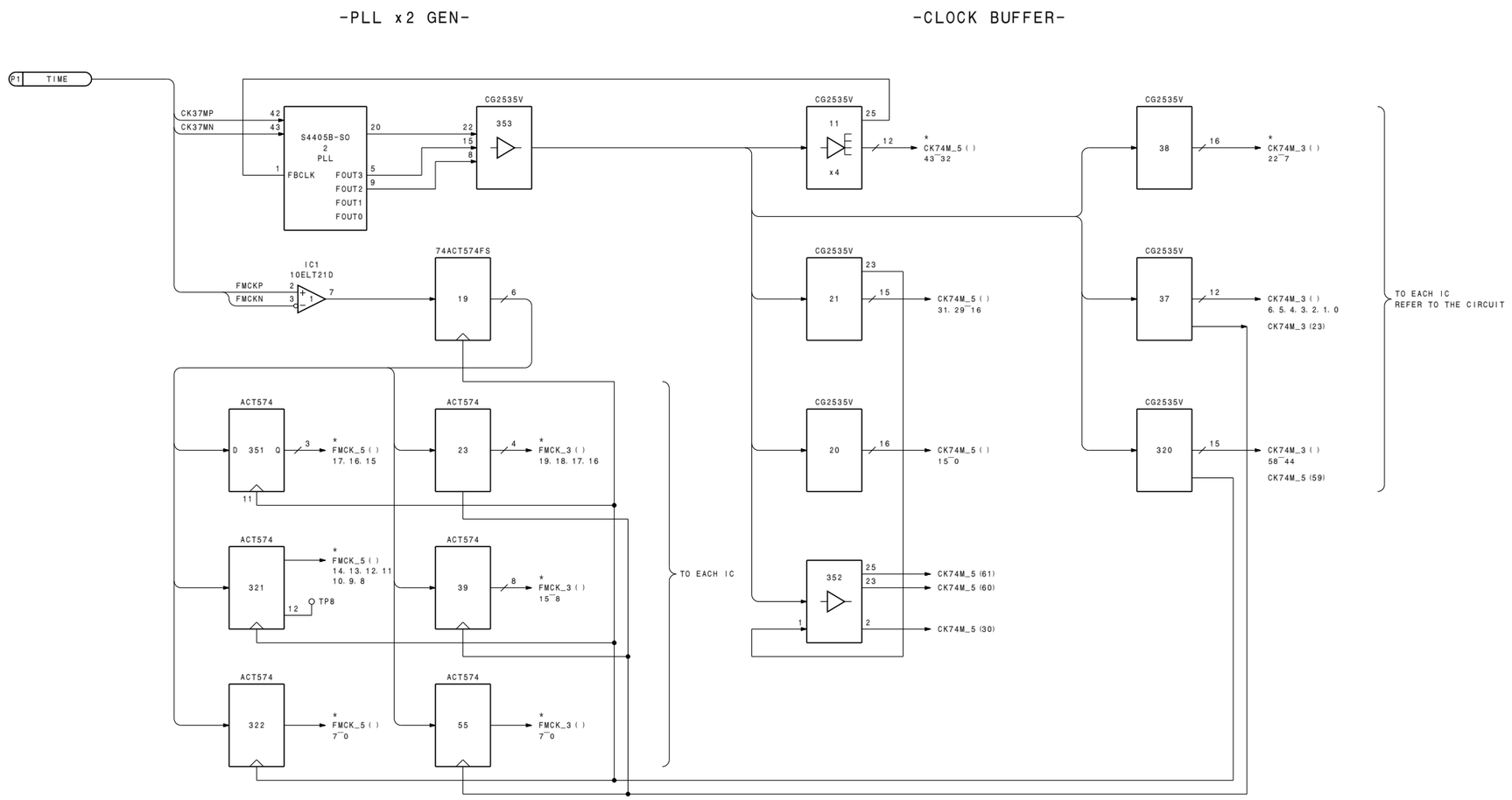
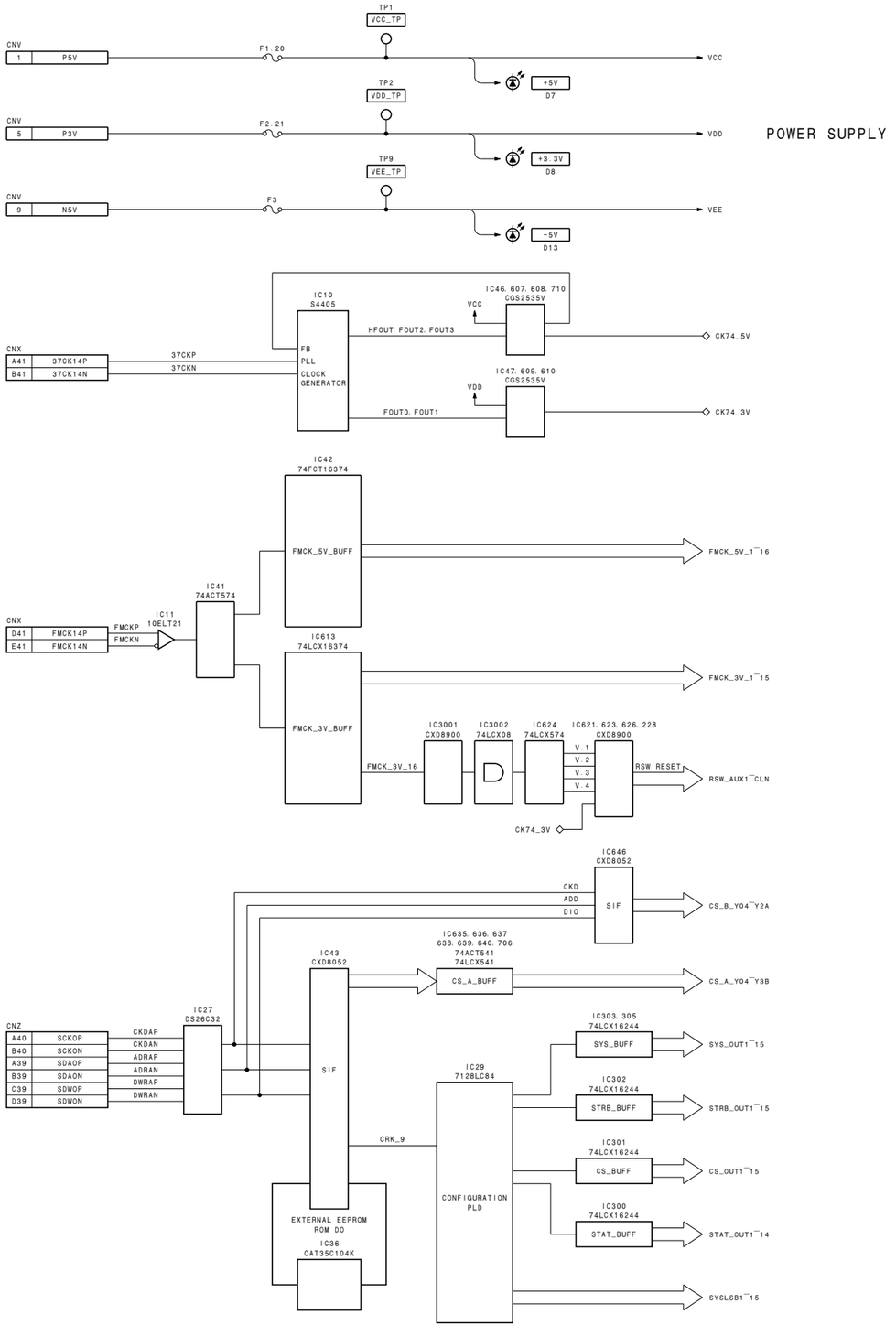
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



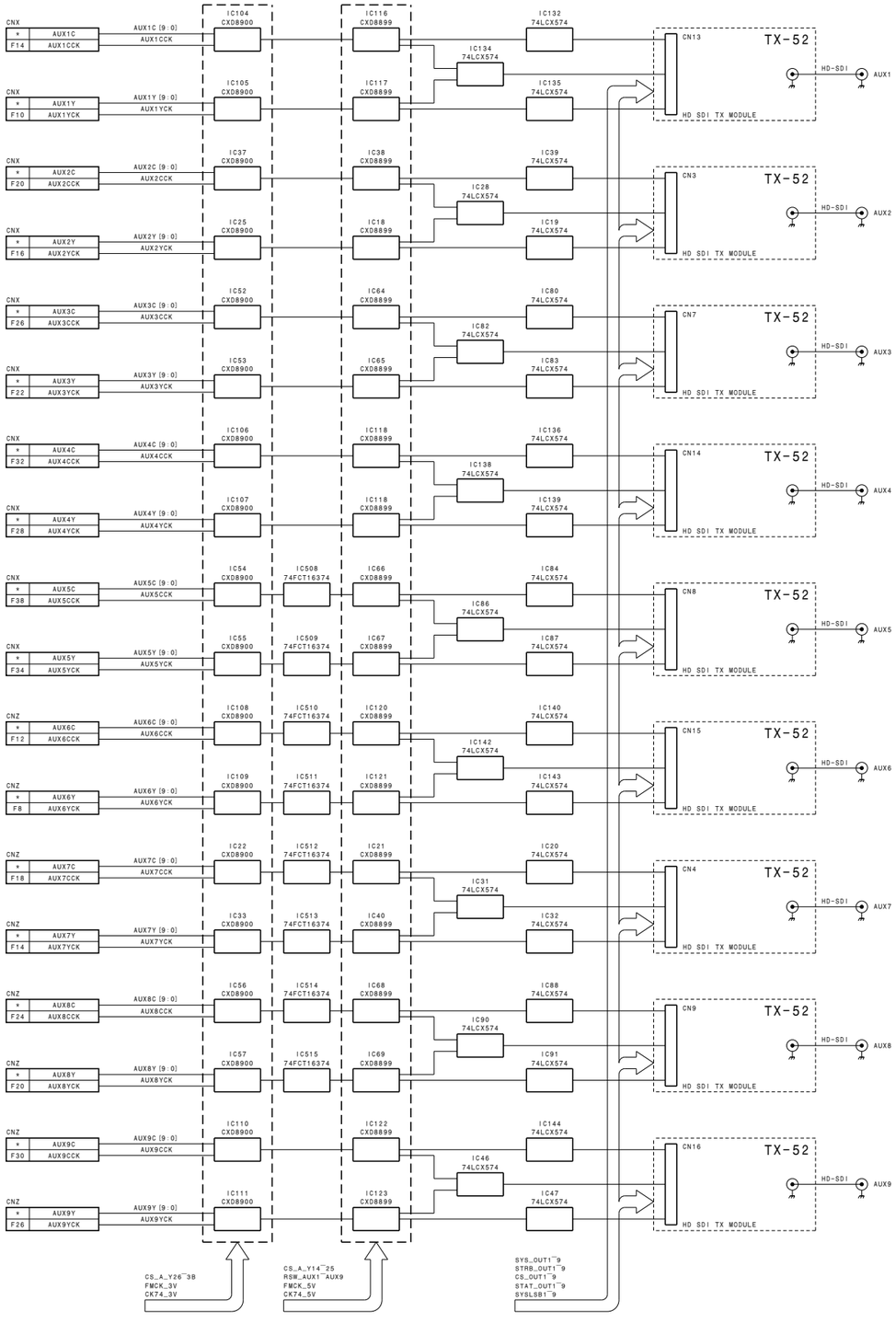
5-2-8. OUT-7

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



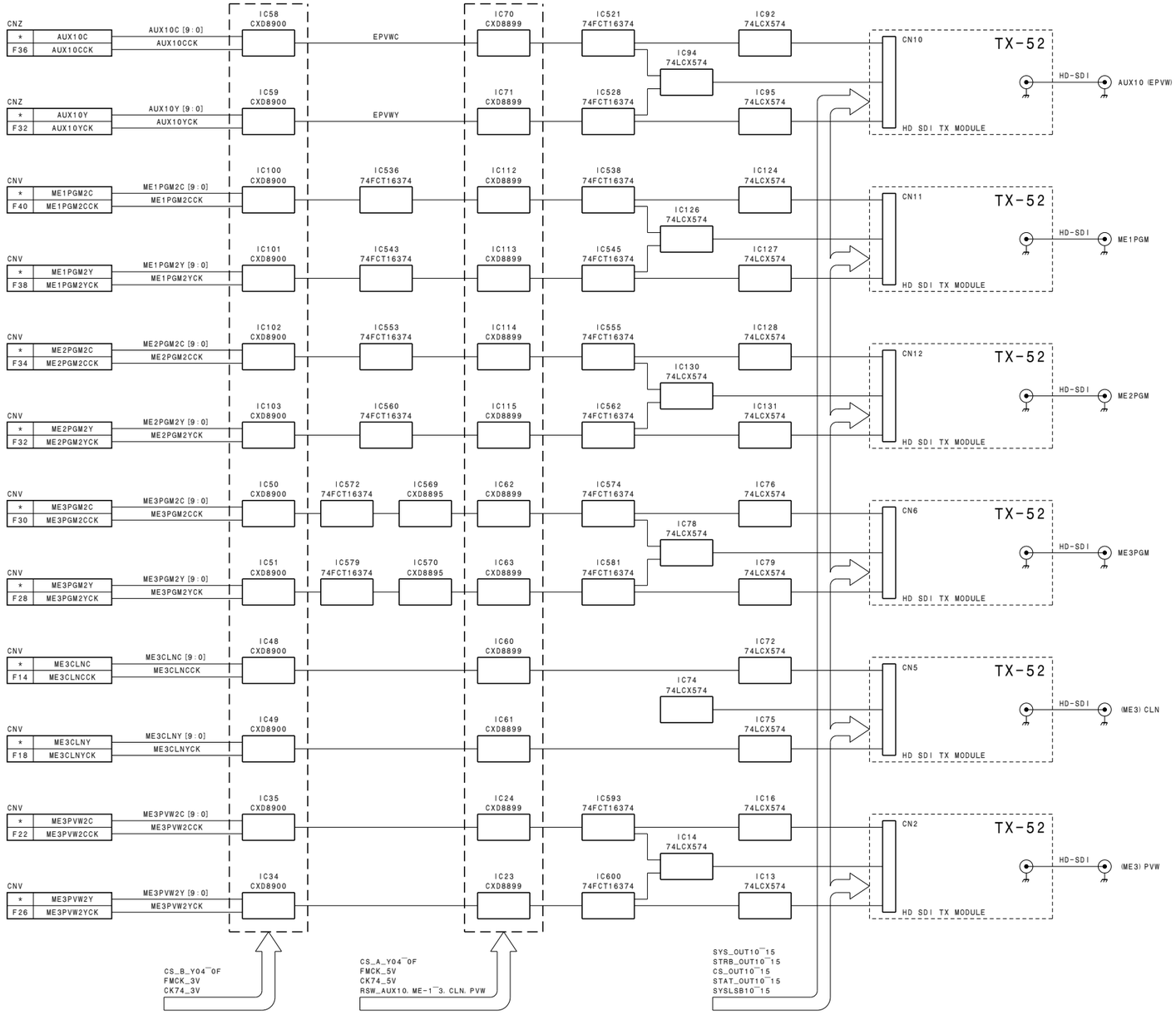
Output Board
OUT-7 (1/3)

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Output Board
OUT-7 (2/3)

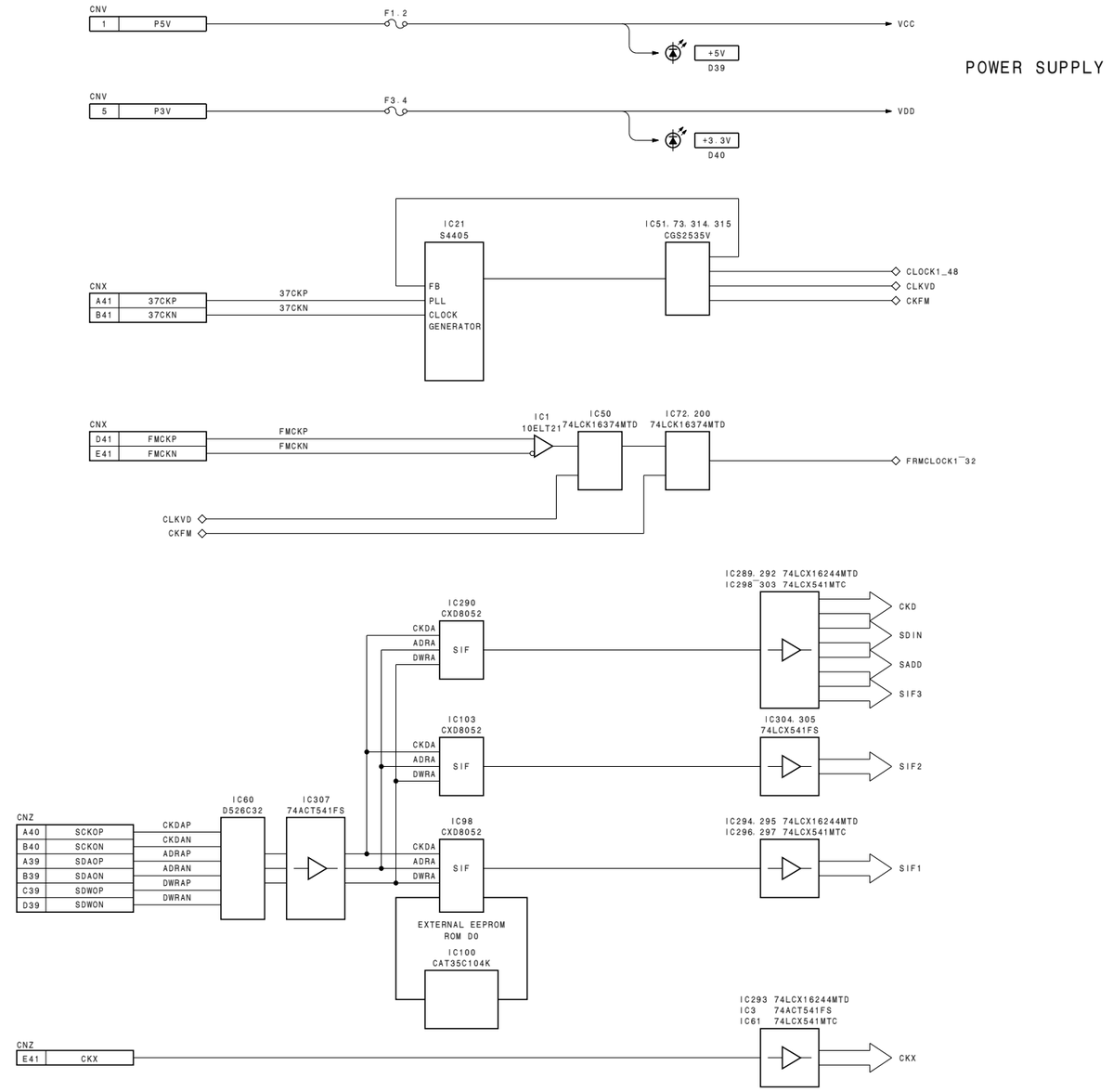
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Output Board
OUT-7 (3/3)

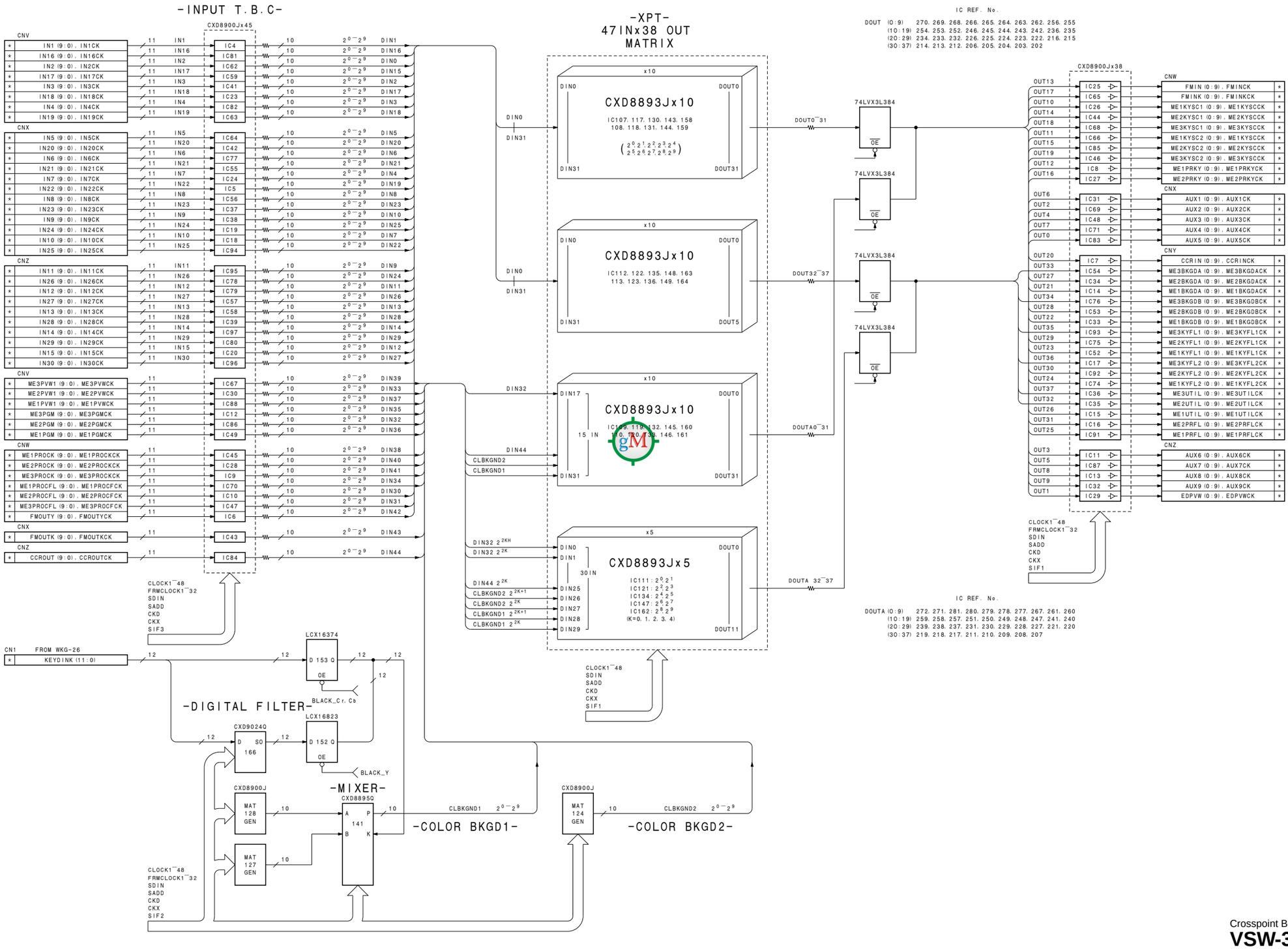
5-2-9. VSW-33

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



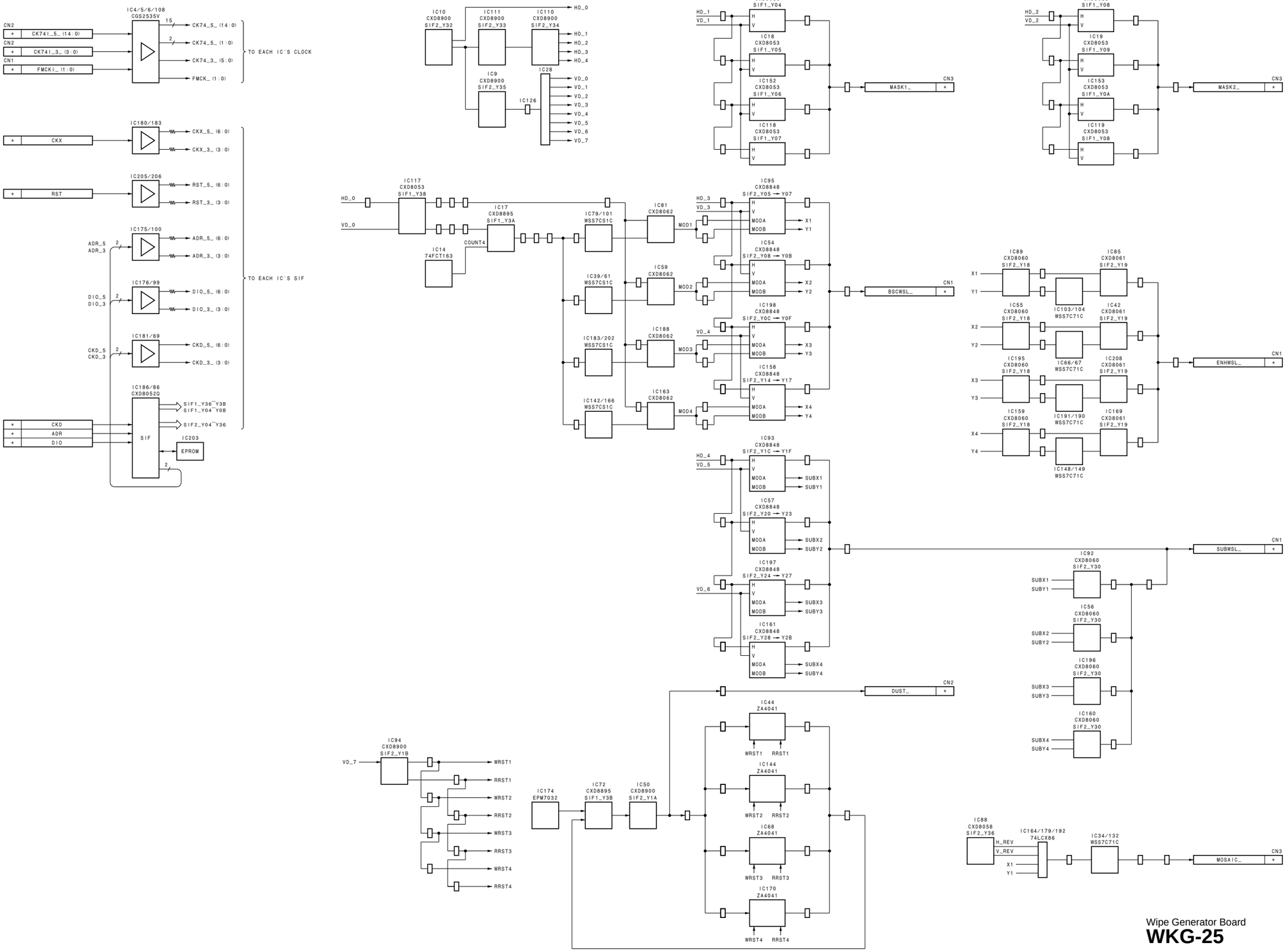
Crosspoint Board
VSW-33 (1/2)

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



5-2-10. WKG-25

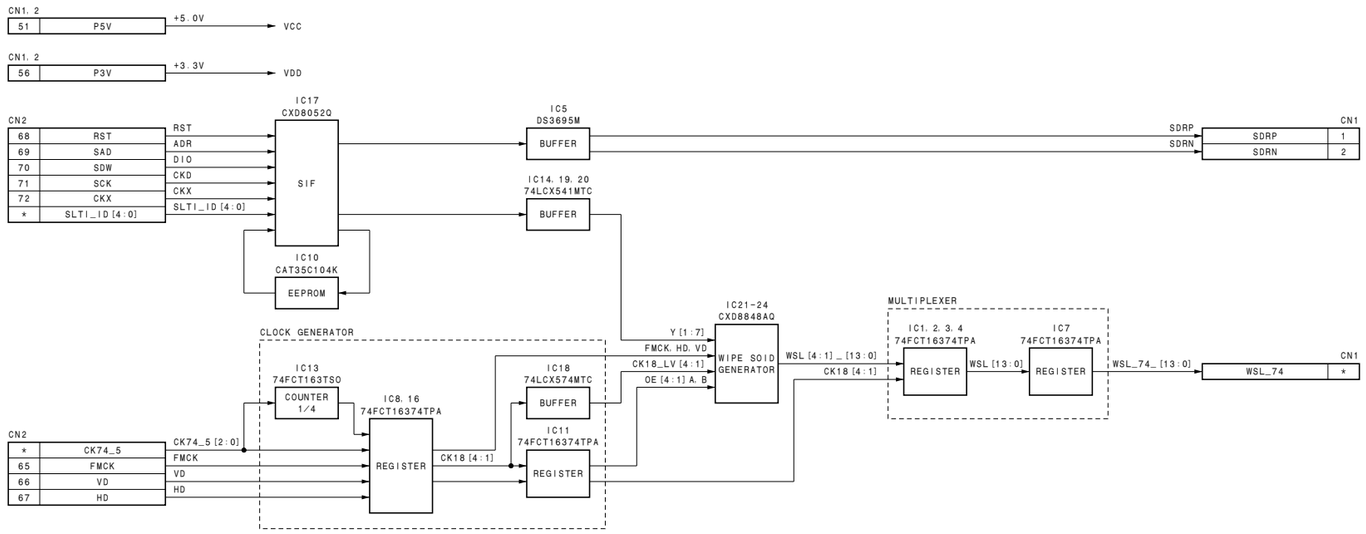
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



Wipe Generator Board
WKG-25

5-2-11. WKG-26

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

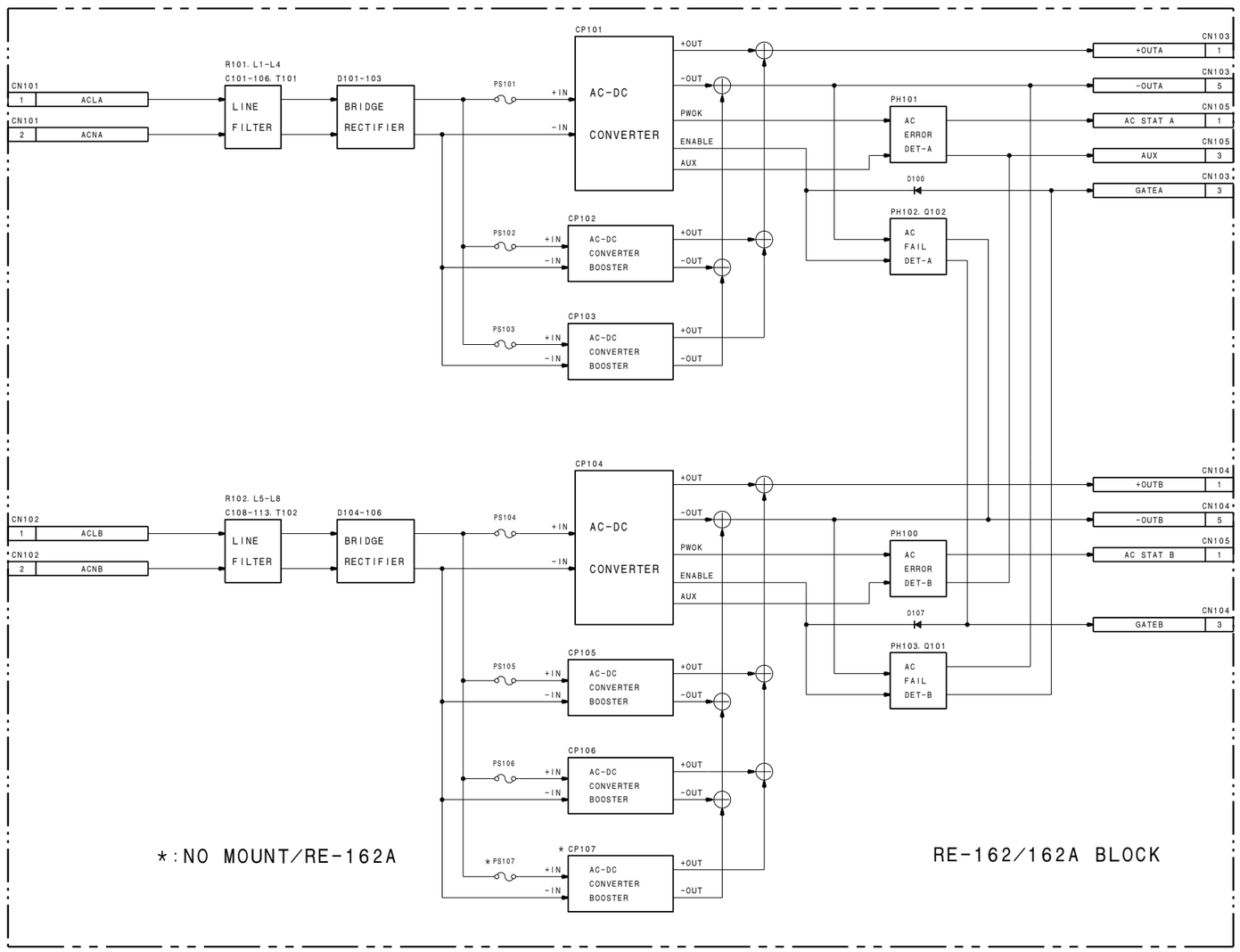


Wipe Generator Board
WKG-26

5-3. PC Board Block Diagrams/HKDS-7690

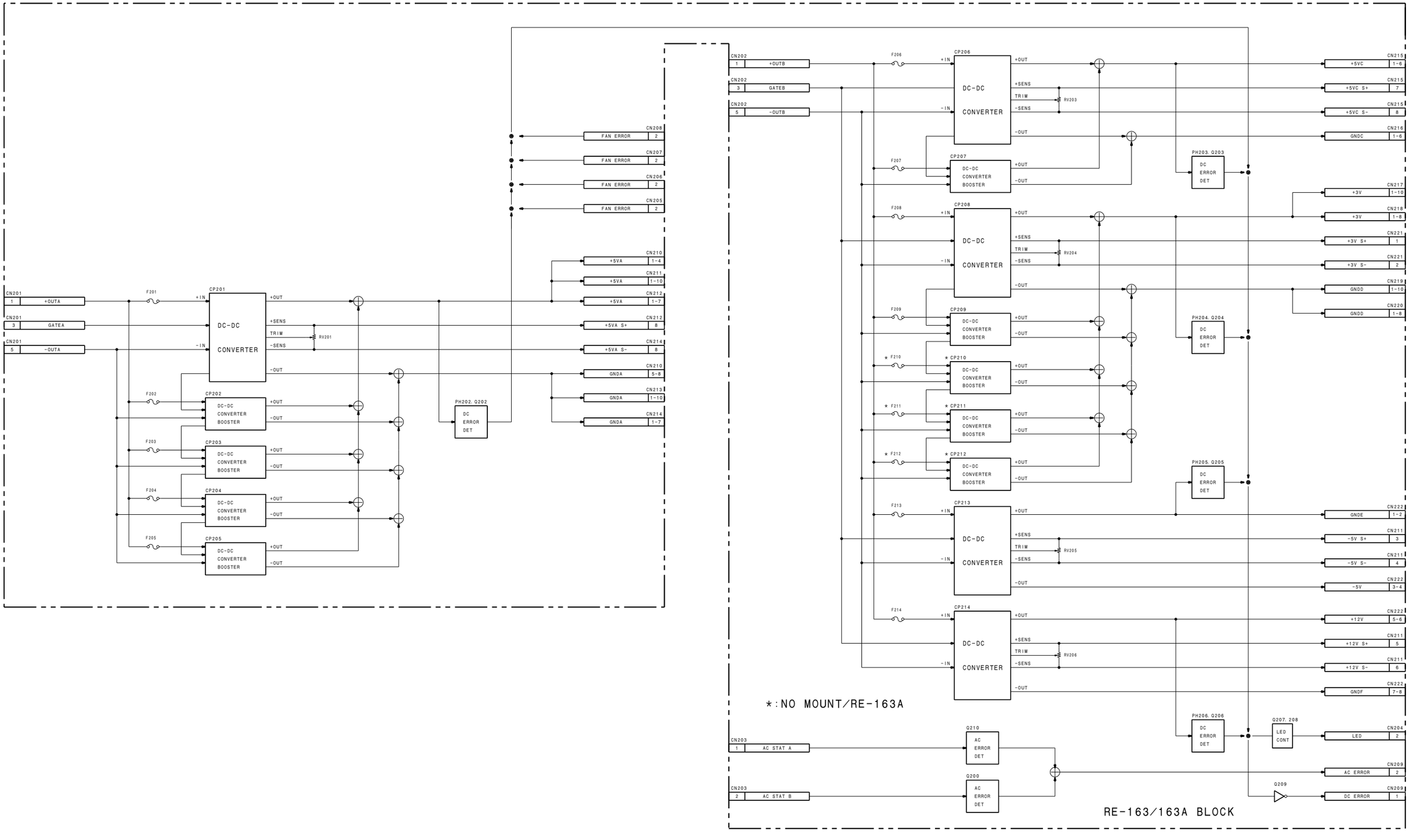
5-3-1. RE-162

HKDS-7690 (J) : S/N 10001 and Higher
HKDS-7690 (UCJ) : S/N 11001 and Higher



5-3-2. RE-163

HKDS-7690 (J) : S/N 10001 and Higher
HKDS-7690 (UCJ) : S/N 11001 and Higher



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Section 6
Board Layouts

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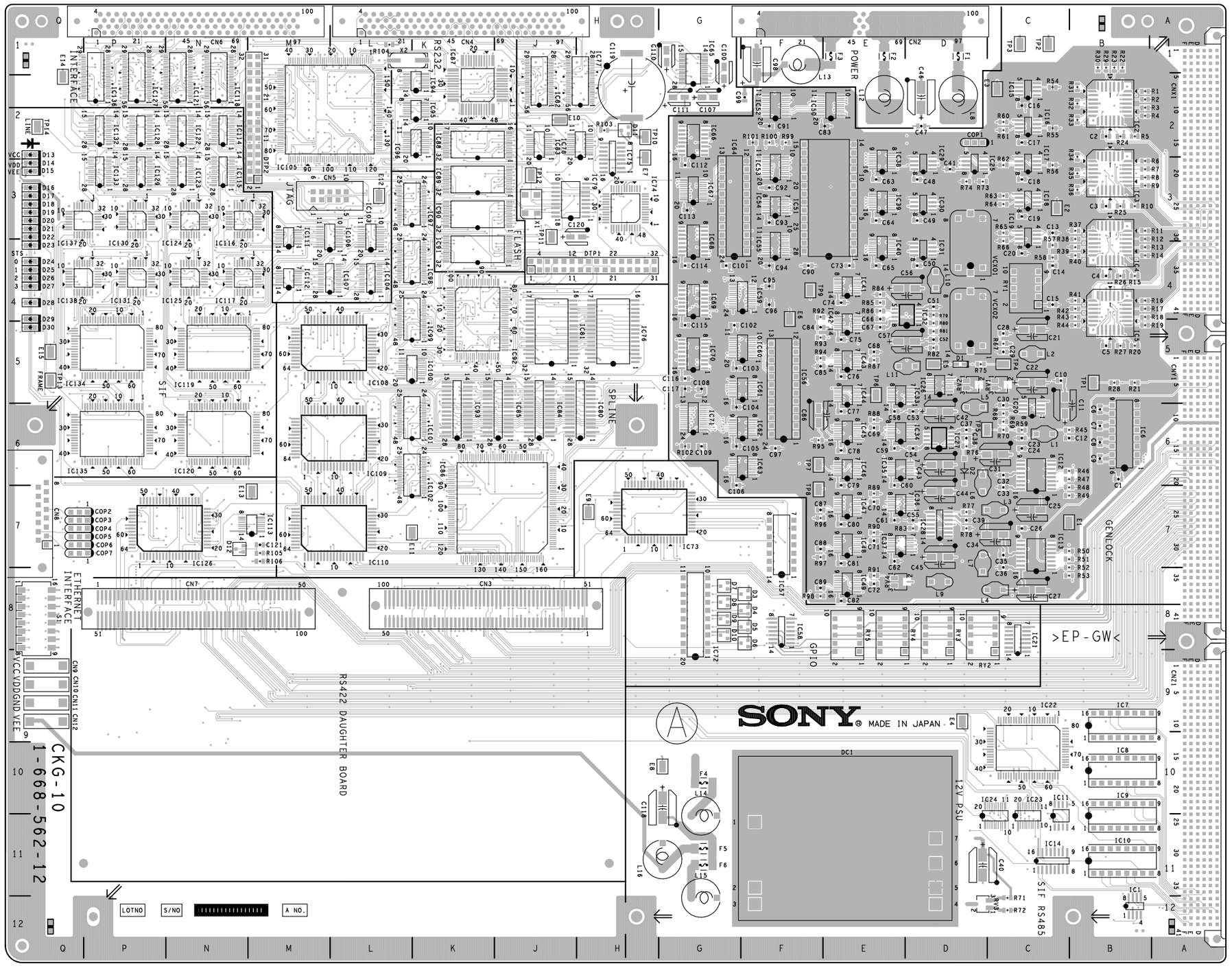
6-1

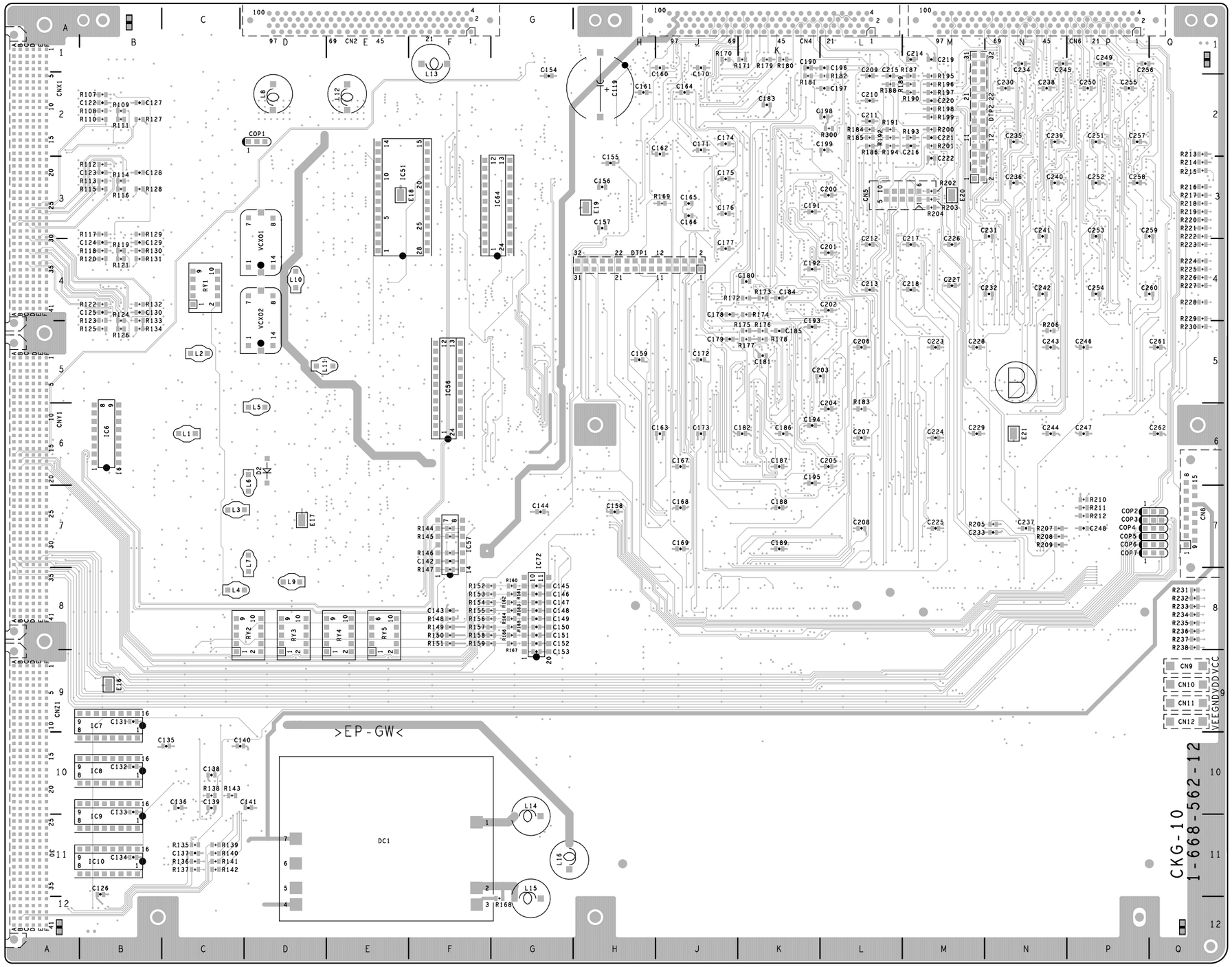


HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

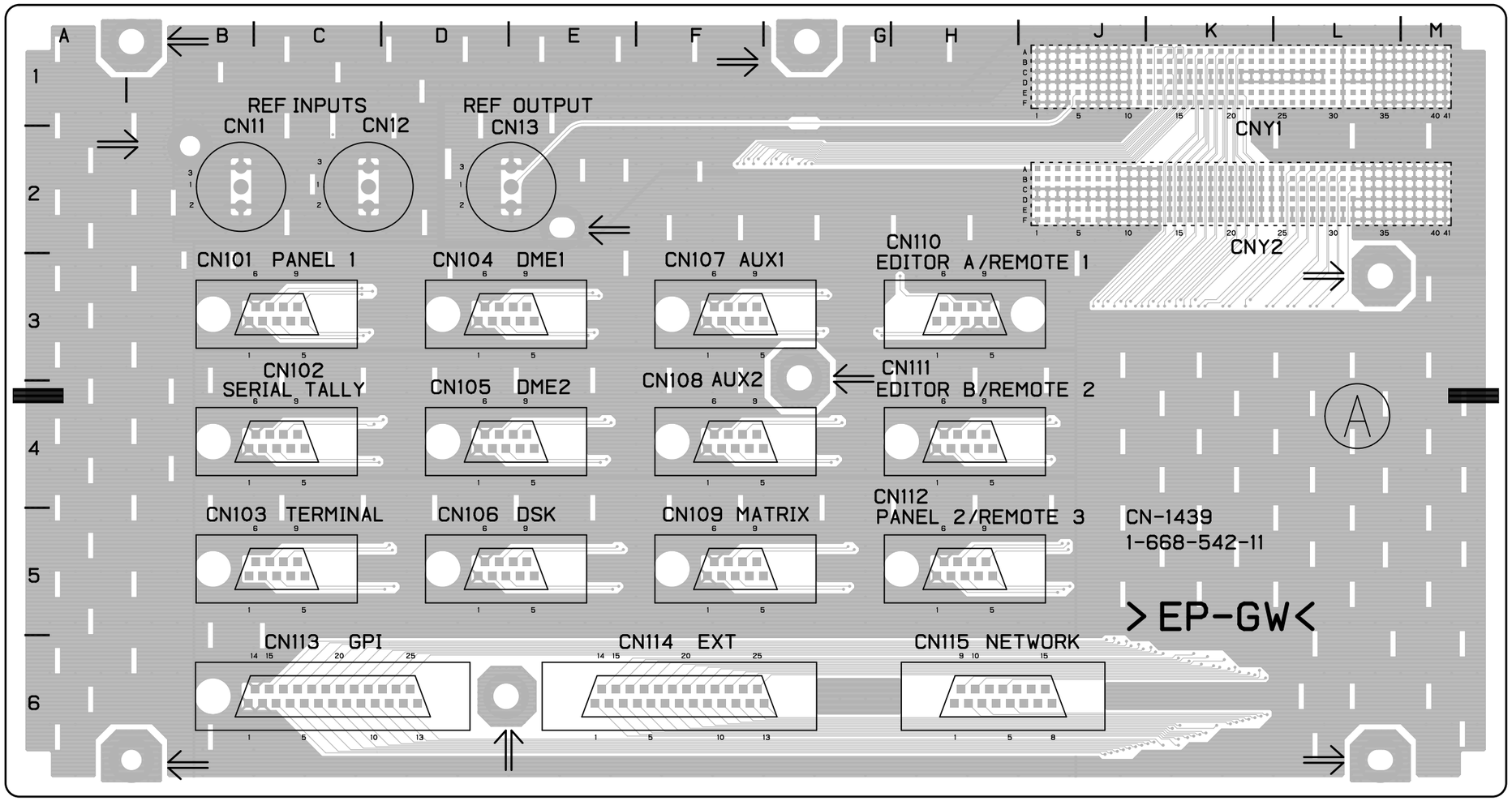
CKG-10A -A SIDE-
SUFFIX: -12

CKG-10A (1-668-562-12)

CNX1	A1	F4	G10	IC89	K3	TP5	D6
		F5	G11	IC90	K3	TP6	E5
CNY1	A4	F6	G11	IC91	K4	TP7	F6
				IC92	K4	TP8	F7
CNZ1	A7	IC1	B12	IC93	K6	TP9	F4
		IC2	B2	IC94	K2	TP10	H2
CN2	F1	IC3	B3	IC95	K2	TP11	J3
CN3	K8	IC4	B4	IC96	K2	TP12	J3
CN4	L1	IC5	B4	IC97	K3	TP13	Q5
CN5	M3	IC6	B6	IC98	K4	TP14	Q2
CN6	P1	IC7	B10	IC99	K4		
CN7	N8	IC8	B10	IC100	K5	VCX1	D4
CN8	Q7	IC9	B11	IC101	K6	VCX2	D5
CN9	Q9	IC10	B11	IC102	K6		
CN10	Q9	IC11	C11	IC103	L3	X1	J3
CN11	Q9	IC12	C6	IC104	L4	X2	L1
CN12	Q9	IC13	C7	IC105	M2		
		IC14	C11	IC106	M3	*:B SIDE	
COP1	D2	IC15	C2	IC107	M4		
COP2	P7	IC16	C2	IC108	L5		
COP3	P7	IC17	C3	IC109	L6		
COP4	P7	IC18	C3	IC110	L7		
COP5	P7	IC19	C3	IC111	M3		
COP6	P7	IC20	C6	IC112	M4		
COP7	P7	IC21	C8	IC114	N2		
		IC22	C10	IC115	N3		
COR1	D2	IC23	C11	IC116	N3		
COR2	P7	IC24	C11	IC117	N4		
COR3	P7	IC25	D3	IC118	N2		
COR4	P7	IC26	D5	IC119	N5		
COR5	P7	IC27	D6	IC120	N6		
COR6	P7	IC28	D7	IC121	N2		
COR7	P7	IC29	D3	IC122	N2		
		IC30	D3	IC123	N3		
CP1		IC31	D4	IC124	N3		
		IC32	D5	IC125	N4		
D1	D5	IC33	E5	IC126	N7		
D2	D6	IC34	E6	IC127	P2		
D3	F8	IC35	E6	IC128	P2		
D4	F8	IC36	E7	IC129	P3		
D5	F8	IC37	E7	IC130	P3		
D6	F8	IC38	E3	IC131	P4		
D7	G8	IC39	E3	IC132	P2		
D8	G8	IC40	E4	IC133	P3		
D9	G8	IC41	E4	IC134	P5		
D10	G8	IC42	E5	IC135	P6		
D11	H2	IC43	E5	IC136	P2		
D12	N7	IC44	E5	IC137	Q3		
D13	Q2	IC45	E6	IC138	Q4		
D14	Q3	IC46	E6				
D15	Q3	IC47	E7	IS7	B10		
D16	Q3	IC48	E7	IS8	B10		
D17	Q3	IC49	E8	IS9	B11		
D18	Q3	IC50	E2	IS10	B11		
D19	Q3	IC51	E4	IS51	E4		
D20	Q3	IC52	F2	IS56	F6		
D21	Q3	IC53	F3	IS64	F4		
D22	Q3	IC54	F3				
D23	Q4	IC55	F4	L1	C6		
D24	Q4	IC56	F6	L2	C5		
D25	Q4	IC57	F8	L3	C7		
D26	Q4	IC58	F8	L4	D8		
D27	Q4	IC59	F4	L5	D6		
D28	Q4	IC60	F5	L6	D7		
D29	Q4	IC61	F5	L7	D7		
D30	Q5	IC62	F6	L8	D2		
		IC63	F6	L9	D8		
E1	C7	IC64	F4	L10	D4		
E2	C3	IC65	G1	L11	E5		
E3	C2	IC66	G2	L12	E2		
E4	D9	IC67	G3	L13	F1		
E5	D5	IC68	G3	L14	G11		
E6	F4	IC69	G4	L15	G12		
E7	H3	IC70	G5	L16	G11		
E8	G10	IC71	G6				
E9	H7	IC72	G9	RV1	C5		
E10	J2	IC73	H7	RV2	D5		
E11	K7	IC74	H3	RV3	D12		
E12	L3	IC75	H3	RV4	E8		
E13	M7	IC76	H5				
E14	Q2	IC77	H2	RY1	C4		
E15	Q5	IC78	H2	RY2	C9		
E16	*B9	IC79	J3	RY3	D9		
E17	*D7	IC80	H6	RY4	E9		
E18	*E3	IC81	J5	RY5	E9		
E19	*H3	IC82	J2				
E20	*M3	IC83	J2	S1	Q8		
E21	*N6	IC84	J6				
		IC85	J6	TP1	B5		
F1	D1	IC86	J7	TP2	C1		
F2	E1	IC87	K2	TP3	C1		
F3	E1	IC88	K2	TP4	C5		



CKG-10A -B SIDE-
SUFFIX: -12



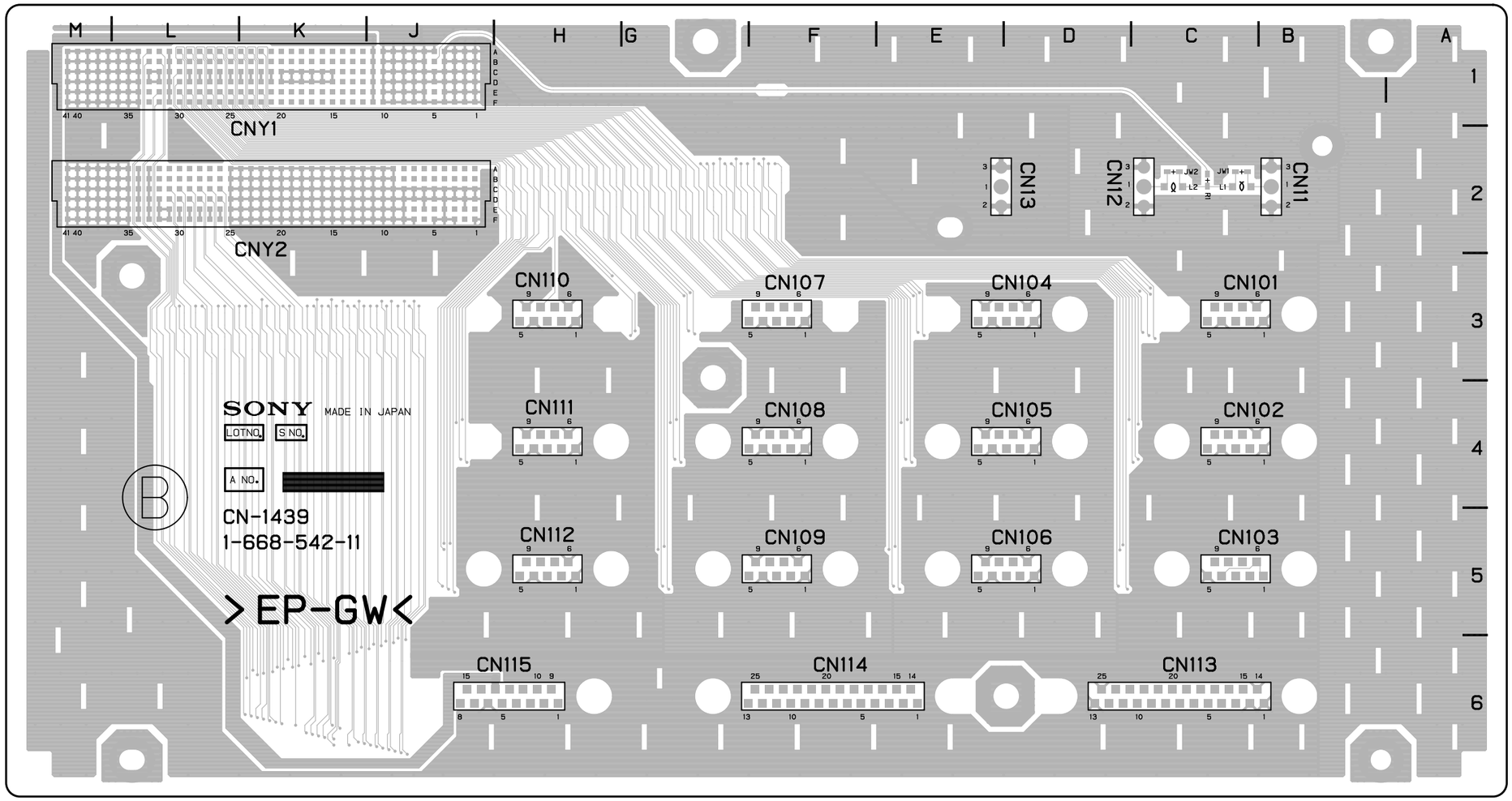
CN-1439 (1-668-542-11)

CN11	B2
CN12	C2
CN13	E2
CN101	C3
CN102	C4
CN103	C5
CN104	D3
CN105	D4
CN106	D5
CN107	F3
CN108	F4
CN109	F5
CN110	H3
CN111	H4
CN112	H5
CN113	C6
CN114	F6
CN115	H6
CNY1	*K1
CNY2	*K2
JW1	*C2
JW2	*C2
L1	*C2
L2	*C2

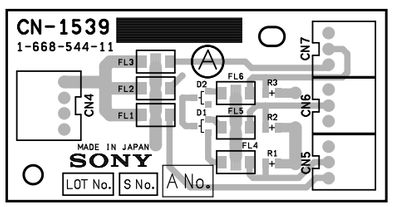
*:B SIDE

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

CN-1439 -A SIDE-
SUFFIX: -11

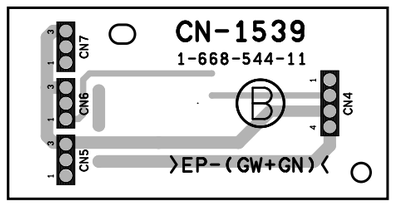


CN-1439 -B SIDE-
SUFFIX: -11



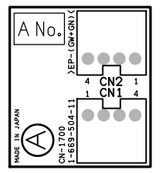
HDS-7000 (J) : S/N 10001 through 10025

CN-1539 -A SIDE-
SUFFIX: -11

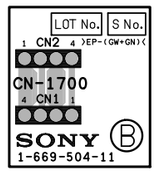


CN-1539 -B SIDE-
SUFFIX: -11

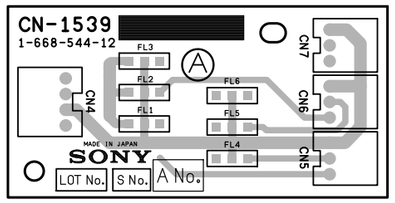
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



CN-1700 -A SIDE-
SUFFIX: -11

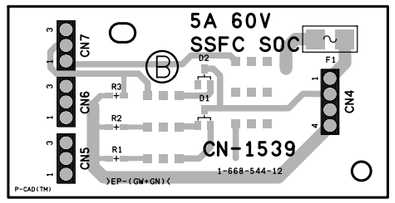


CN-1700 -B SIDE-
SUFFIX: -11



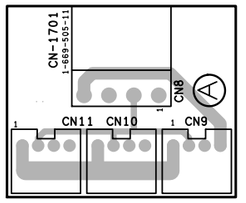
HDS-7000 (J) : S/N 10026 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

CN-1539 -A SIDE-
SUFFIX: -12

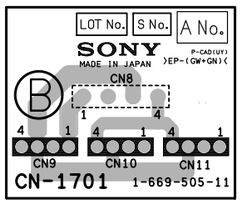


CN-1539 -B SIDE-
SUFFIX: -12

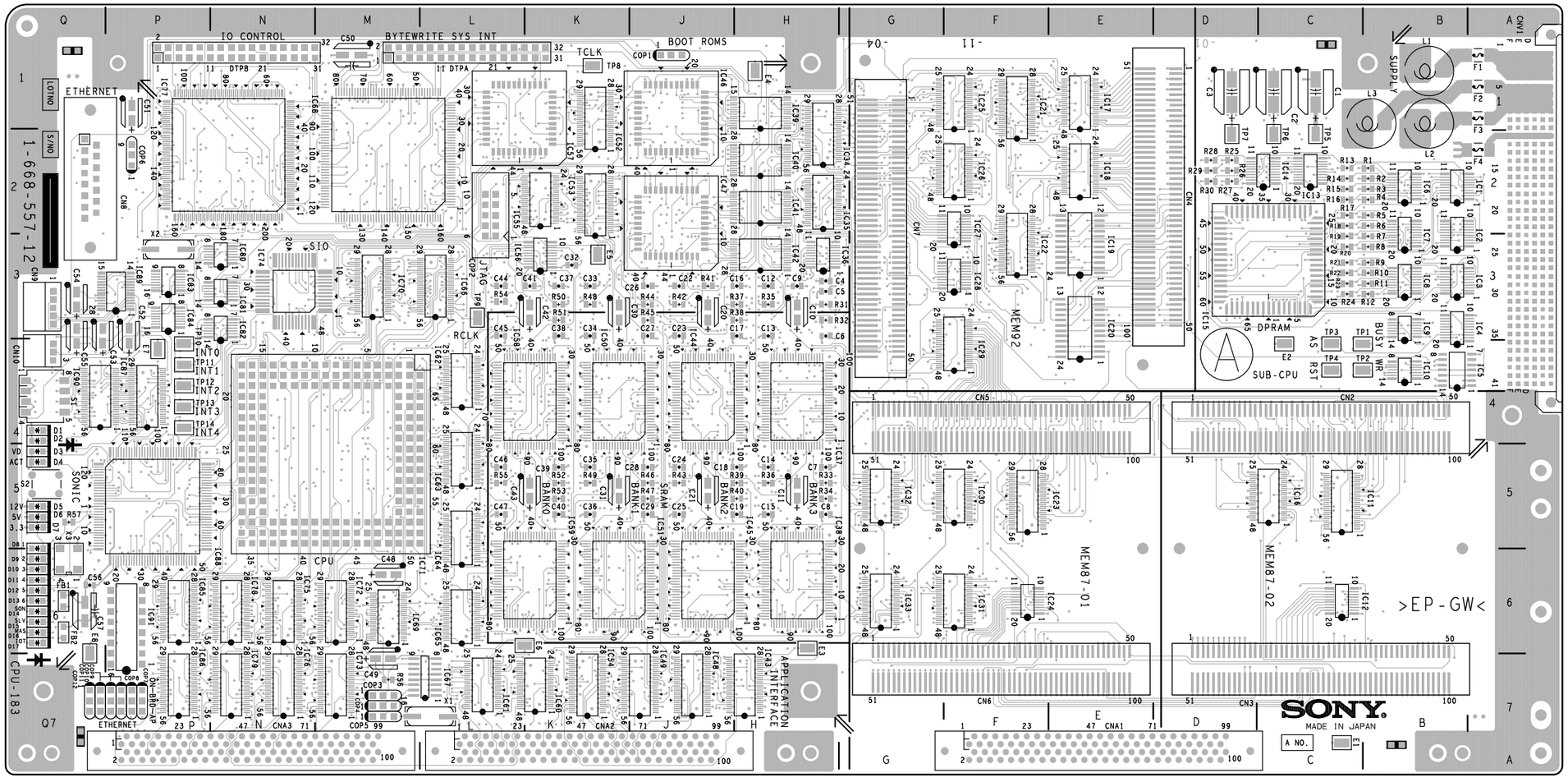
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher



CN-1701 -A SIDE-
SUFFIX: -11



CN-1701 -B SIDE-
SUFFIX: -11

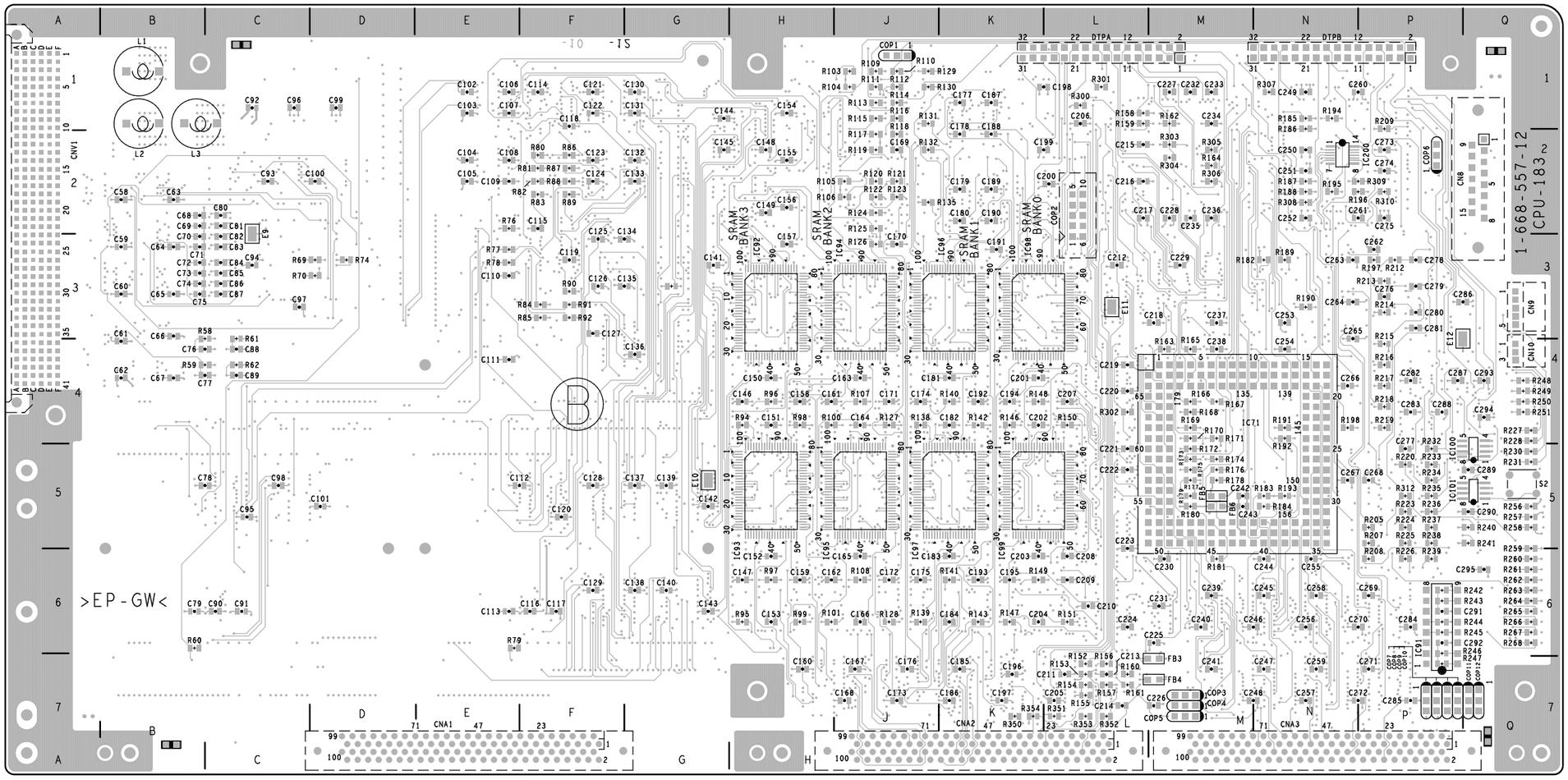


HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

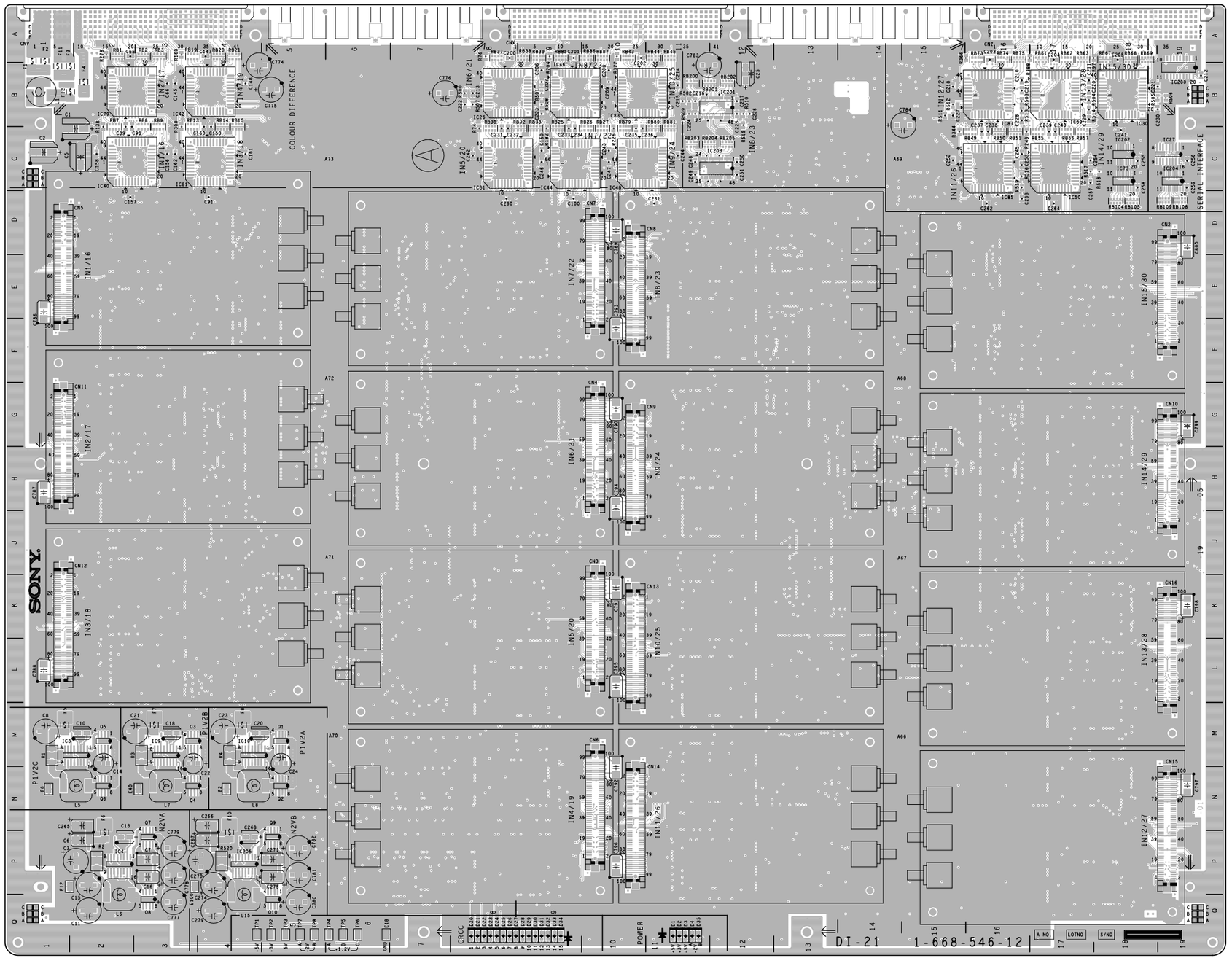
CPU-183 -A SIDE-
SUFFIX: -12

CPU-183 (1-668-557-12)

CN2	C4	IC20	E3	TP1	B4
CN3	C7	IC21	F1	TP2	B4
CN4	D2	IC22	F3	TP3	C4
CN5	F4	IC23	F5	TP4	C4
CN6	F7	IC24	F6	TP5	C2
CN7	G2	IC25	F1	TP6	C2
CN8	Q2	IC26	F2	TP7	D2
CN9	Q3	IC27	F2	TP8	K1
CN10	Q4	IC28	F3	TP9	L3
		IC29	F4	TP10	P4
CNA1	F7	IC30	F5	TP11	P4
CNA2	L7	IC31	F6	TP12	P4
CNA3	P7	IC32	G5	TP13	P4
		IC33	G6	TP14	P4
COP1	J1	IC34	H2		
COP2	L3	IC35	H2	X1	L7
COP3	M7	IC36	H3	X2	P3
COP4	M7	IC37	H4	X3	Q6
COP5	M7	IC38	H6		
COP6	P2	IC39	H1	*:B SIDE	
COP7	P7	IC40	H2		
COP8	P7	IC41	H2		
COP9	P7	IC42	H3		
COP10	P7	IC43	H7		
COP11	Q7	IC44	J4		
COP12	Q7	IC45	J6		
		IC46	J1		
D1	Q4	IC47	J2		
D2	Q4	IC48	J7		
D3	Q5	IC49	J7		
D4	Q5	IC50	K4		
D5	Q5	IC51	K6		
D6	Q5	IC52	K1		
D7	Q5	IC53	K2		
D8	Q5	IC54	K7		
D9	Q6	IC55	K2		
D10	Q6	IC56	K3		
D11	Q6	IC57	L1		
D12	Q6	IC58	K4		
D13	Q6	IC59	K6		
D14	Q6	IC60	K7		
D15	Q6	IC61	L7		
D16	Q6	IC62	L4		
D17	Q6	IC63	L5		
		IC64	L5		
DTP1	M1	IC65	L6		
DTP2	P1	IC66	L3		
		IC67	L7		
E1	C7	IC68	M2		
E2	C4	IC69	M6		
E3	H6	IC70	M3		
E4	H1	IC71	M4		
E5	K3	IC72	M6		
E6	K6	IC73	M7		
E7	P4	IC74	N3		
E8	Q6	IC75	N6		
E9	*C2	IC76	N7		
E10	*G5	IC77	N2		
E11	*L3	IC78	N6		
E12	*P3	IC79	N7		
		IC80	N3		
F1	A1	IC81	N3		
F2	A1	IC82	N3		
F3	A1	IC83	P3		
F4	A2	IC84	P3		
		IC85	P6		
FB1	Q6	IC86	P7		
FB2	Q6	IC87	P4		
FB3	*M7	IC88	P5		
FB4	*M7	IC89	P3		
FB5	*M5	IC90	Q4		
FB6	*M5	IC91	P7		
		IC92	*H3		
IC1	B2	IC93	*H5		
IC2	B2	IC94	*J3		
IC3	B3	IC95	*J5		
IC4	B3	IC96	*K3		
IC5	B4	IC97	*K5		
IC6	B2	IC98	*K3		
IC7	B2	IC99	*K5		
IC8	B3	IC100	*Q5		
IC9	B3	IC101	*Q5		
IC10	B4	IC200	*N2		
IC11	C5				
IC12	C6	L1	B1		
IC13	C2	L2	B1		
IC14	C2	L3	B1		
IC15	C3				
IC16	C5				
IC17	E1	S1	Q4		
IC18	E2	S2	Q5		
IC19	E3				



CPU-183 -B SIDE-
SUFFIX: -12



HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

DI-21 -A SIDE-
SUFFIX: -12

DI-21 (1-668-546-12)

CN2	E19	F6	P2	IC92	*H3	L6	Q2
CN3	K10	F7	M3	IC93	*K3	L7	N3
CN4	H10	F8	M4	IC94	*L3	L8	N4
CN5	E1	F10	P4	IC95	*K11	L15	Q4
CN6	N10	F11	B1	IC96	*L11		
CN7	E10	F12	B2	IC97	*N11	Q1	M5
CN8	E10			IC98	*P11	Q2	N5
CN9	H10	FB1	*B14	IC99	*P18	Q3	M3
CN10	H19	FB2	*B14	IC100	*N18	Q4	N3
CN11	G1			IC101	*M18	Q5	M2
CN12	K1	IC3	M2	IC102	*K18	Q6	N2
CN13	L10	IC4	P2	IC103	*G2	Q7	P3
CN14	N10	IC9	M3	IC104	*K2	Q8	Q3
CN15	N19	IC10	M4	IC105	*K11	Q9	P5
CN16	L19	IC13	*B12	IC106	*N11	Q10	Q5
		IC14	*B12	IC107	*P18		
D1	Q11	IC15	*D15	IC108	*L18	RB1	A2
D2	Q11	IC16	*C12	IC200	B19	RB2	A3
D3	Q11	IC17	*F18	IC201	B12	RB3	A3
D4	Q11	IC18	*D14	IC202	C18	RB4	*A3
D5	*M2	IC19	*B13	IC203	C12	RB5	*A2
D6	*P2	IC20	*E18	IC204	C19	RB6	*A2
D7	*N2	IC21	*F18	IC205	P4	RB7	C2
D8	*P2	IC22	*C8	IC206	*B15	RB8	C3
D9	*M3	IC23	*K9	IC207	*B12	RB9	C3
D10	*M4	IC24	*H9	IC208	*C13	RB10	*C3
D11	*N3	IC25	*J9	IC209	*D4	RB11	*C2
D12	*N5	IC26	B8	IC210	*D4	RB12	*C2
D20	Q8	IC27	C19	IC211	*D8	RB13	C3
D21	Q8	IC28	*G14	IC212	*D13	RB14	C4
D22	Q8	IC29	*B18	IC213	*E7	RB15	C4
D23	Q8	IC30	B18	IC214	*E15	RB16	*C4
D24	Q8	IC31	C8	IC215	*E16	RB17	*C4
D25	Q8	IC32	*L9	IC216	*E16	RB18	*C3
D26	Q8	IC33	*G9	IC217	*E7	RB19	A3
D27	Q8	IC34	*B8	IC218	*E13	RB20	A4
D28	Q9	IC36	*G15	IC219	*E4	RB21	A4
D29	Q9	IC37	*L9	IC220	*E4	RB22	*A4
D30	Q9	IC38	*H14	IC221	*F8	RB23	*A4
D31	Q9	IC39	*K5	IC222	*E14	RB24	*A3
D32	Q9	IC40	C2	IC223	*F14	RB25	C9
D33	Q9	IC41	*C2	IC224	*F15	RB26	C10
D34	Q9	IC42	B4	IC225	*F13	RB27	C10
D35	Q11	IC43	*B4	IC226	*F16	RB28	*C10
D36	*P4	IC44	C9	IC227	*F16	RB29	*C9
D37	*P4	IC45	*C9	IC228	*F7	RB30	*C9
		IC46	B9	IC229	*G13	RB31	C8
E1	*P1	IC47	*B9	IC230	*G4	RB32	C9
E2	N4	IC48	C10	IC231	*G5	RB33	C9
E3	*P13	IC49	*C10	IC232	*G7	RB34	*C9
E4	*M16	IC50	C17	IC233	*G16	RB35	*C8
E5	*D2	IC51	*C17	IC234	*G14	RB36	*C8
E6	N1	IC52	*D3	IC235	*H4	RB37	A8
E7	*K4	IC53	*F3	IC236	*H5	RB38	A9
E8	*C18	IC54	*P9	IC237	*H14	RB39	A9
E9	*D5	IC55	*N9	IC238	*H15	RB40	*A9
E10	*J2	IC56	*F9	IC239	*H16	RB41	*A8
E11	*F2	IC57	*D9	IC240	*H14	RB42	*A8
E12	P1	IC58	*D11	IC241	*H14	RB43	A10
E13	*Q3	IC59	*F11	IC242	*H15	RB44	A11
E14	*F14	IC60	*G11	IC243	*J13	RB45	A11
E15	*B5	IC61	*J11	IC244	*J16	RB46	*A11
E16	*F4	IC62	*J18	IC245	*K13	RB47	*A10
E17	*K7	IC63	*G18	IC246	*K16	RB48	*A10
E18	Q6	IC64	*E2	IC247	*L15	RB49	C16
E19	*Q11	IC65	*P9	IC248	*M7	RB50	C16
E20	*P16	IC66	*E9	IC249	*M13	RB51	C16
E21	*P19	IC67	*E11	IC250	*M13	RB52	*C16
E22	*G18	IC68	*H11	IC251	*M7	RB53	*C16
E23	*J11	IC69	*H18	IC252	*M7	RB54	*C15
E24	*F10	IC70	*P6	IC253	*N13	RB55	C17
E25	*C11	IC71	*M7	IC254	*N13	RB56	C17
E26	*E7	IC72	*L13	IC255	*N6	RB57	C17
E27	*M11	IC73	C18	IC256	*N7	RB58	*C17
E28	*K14	IC74	*L16	IC257	*N7	RB59	*C17
E29	*D19	IC75	*L14	IC258	*N7	RB60	*C16
E30	*M18	IC76	*L13	IC259	*P6	RB61	A17
E31	*K18	IC77	*N6	IC260	*P7	RB62	A17
E32	*L2	IC78	*M7	IC261	*P7	RB63	A17
E33	*C15	IC79	B2	IC262	*P7	RB64	*A17
E34	*M6	IC80	*B2	IC263	*P7	RB65	*A17
E38	*E13	IC81	C4	IC264	*P7	RB66	*A16
E39	*M13	IC82	*C4	IC265	*P7	RB67	A18
E40	N3	IC83	B10	IC300	*J4	RB68	A18
E41	*C7	IC84	*B10	IC301	*H6	RB69	A18
E100	P3	IC85	C16	IC302	*J7	RB70	*A18
		IC86	*C16	IC303	*L4	RB71	*A18
F1	A1	IC87	B16	IC304	*L6	RB72	*A18
F2	A1	IC88	*B16	IC305	*K6	RB73	A16
F3	B2	IC89	B17			RB74	A16
F4	B2	IC90	*B17	L1	B1	RB75	A16
F5	M1	IC91	*G3	L5	N2	RB76	*A16

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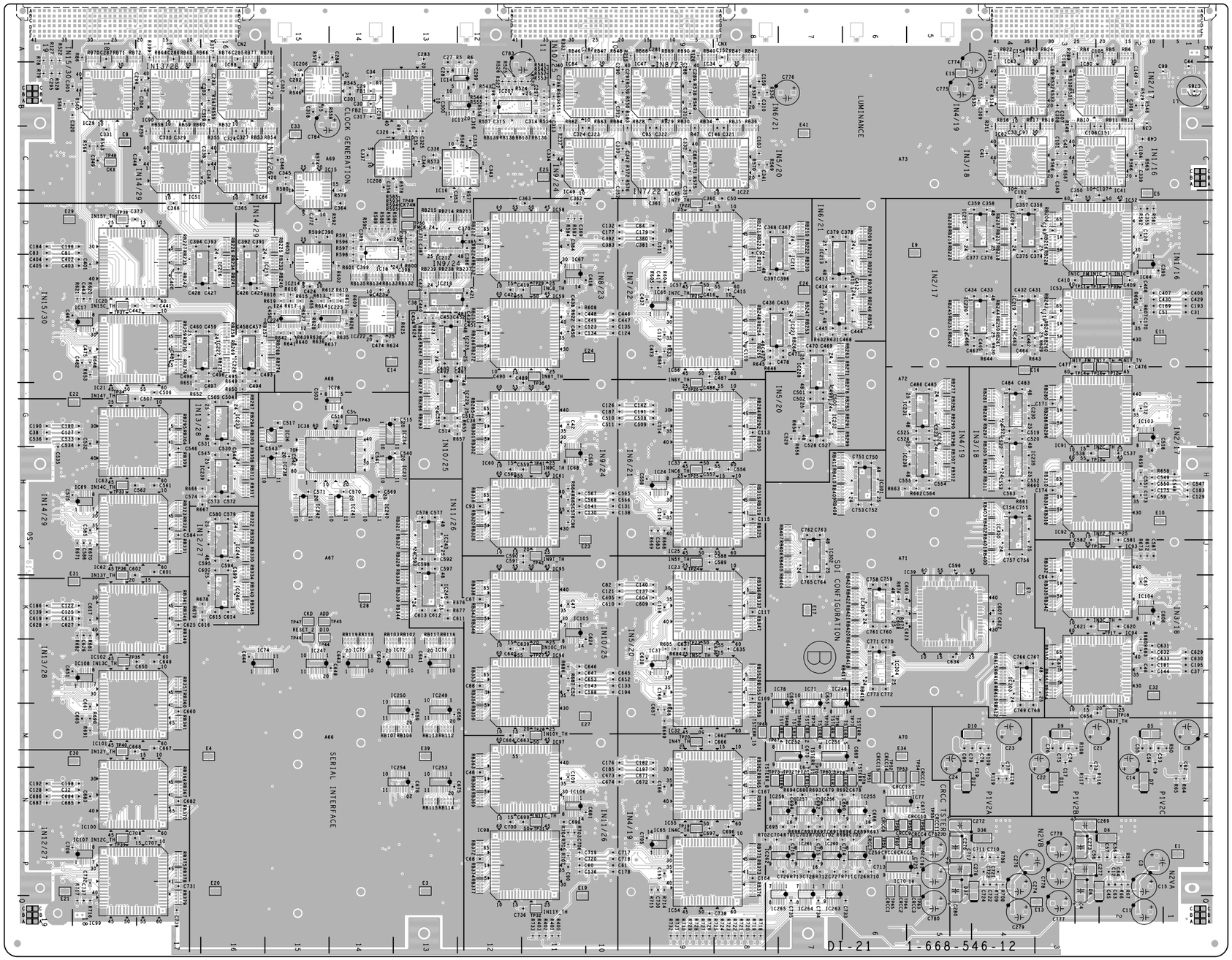
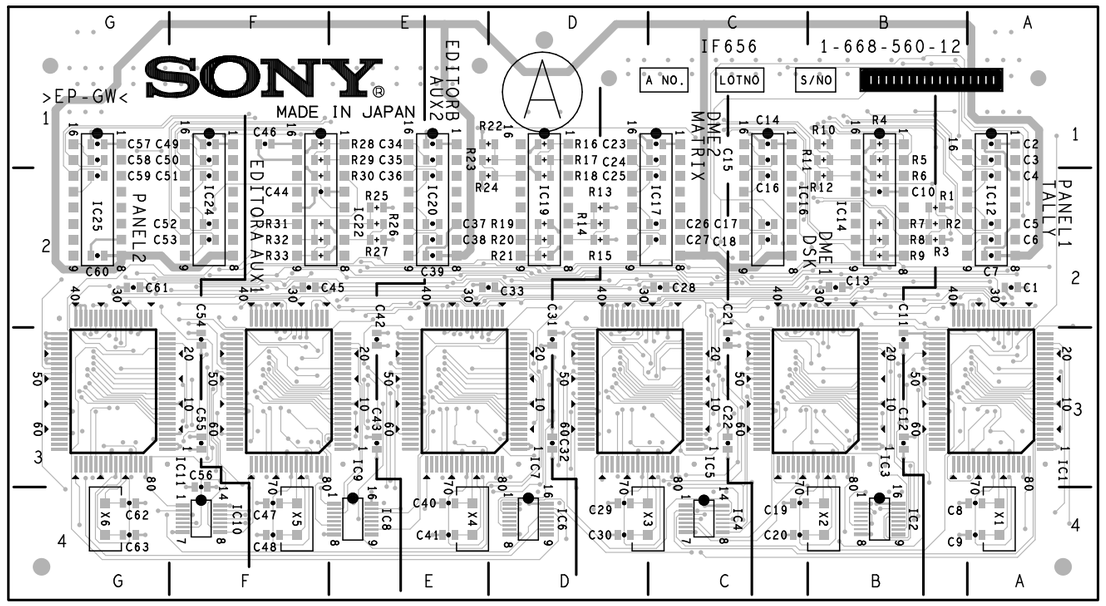
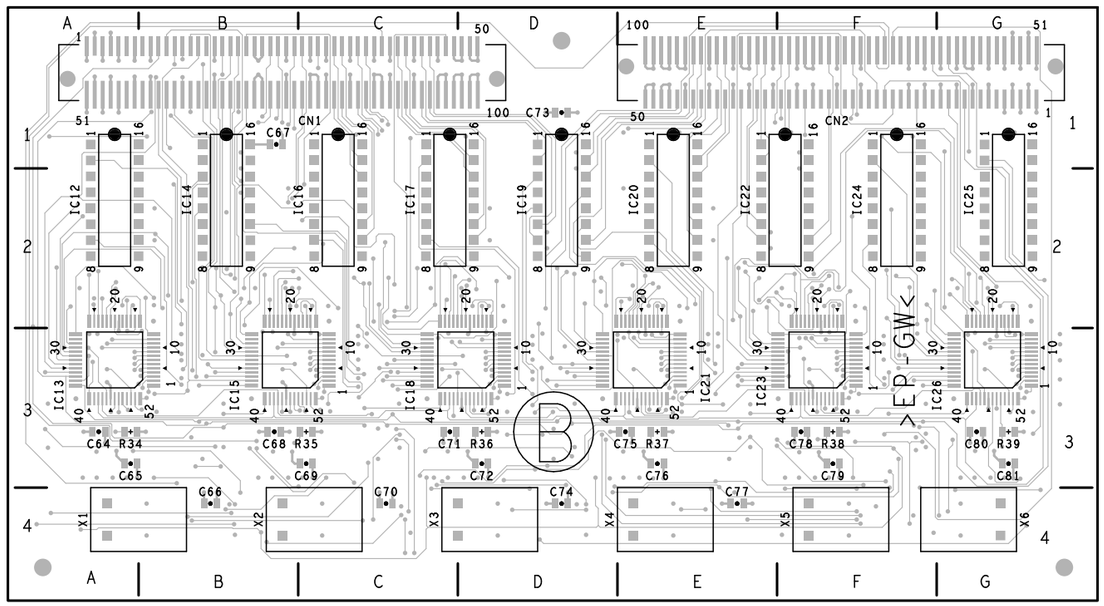
RB77	*A16	RB254	*F8	RB346	*K17	TP35	*L18
RB78	*A15	RB255	*E12	RB347	*K8	TP36	*K18
RB79	C10	RB256	*F13	RB348	*K12	TP37	*E18
RB80	C11	RB257	*F15	RB349	*K17	TP38	*D18
RB81	C11	RB258	*F16	RB350	*L3	TP39	*P18
RB82	*C11	RB259	*F17	RB351	*L3	TP40	*M18
RB83	*C10	RB260	*F3	RB352	*L8	TP41	*H11
RB84	*C10	RB261	*F4	RB353	*L12	TP42	*J11
RB85	A9	RB262	*F5	RB354	*L3	TP43	*G14
RB86	A10	RB263	*F7	RB355	*L8	TP44	*K15
RB87	A10	RB264	*F7	RB356	*L12	TP45	*K15
RB88	*A10	RB265	*F8	RB357	*L17	TP46	*K15
RB89	*A9	RB266	*F12	RB358	*M8	TP47	*K15
RB90	*A9	RB267	*F13	RB359	*M12	TP48	*C18
RB102	*L13	RB268	*F15	RB360	*L17	TP49	*D13
RB103	*L14	RB269	*F16	RB361	*M17	TP50	*D13
RB104	D18	RB270	*F17	RB362	*M8	TP51	*N6
RB105	D18	RB271	*F7	RB363	*M12	TP52	*N6
RB106	*M13	RB272	*F12	RB364	*N17	TP53	*N6
RB107	*M14	RB273	*F13	RB365	*N8	TP54	*N5
RB108	D19	RB274	*F15	RB366	*N12	TP55	*N5
RB109	D19	RB275	*F16	RB367	*N17	TP56	*N5
RB112	*M13	RB276	*F17	RB368	*N8	TP57	*N6
RB113	*M13	RB277	*G5	RB369	*N12	TP58	*N6
RB114	*N13	RB278	*G7	RB370	*N17	TP59	*P6
RB115	*N13	RB279	*G13	RB371	*P8	TP60	*P6
RB116	*L13	RB280	*G3	RB372	*P12	TP61	*P6
RB117	*L13	RB281	*G4	RB373	*P8	TP62	*P5
RB118	*L14	RB282	*G5	RB374	*P12	TP63	*P5
RB119	*L14	RB283	*G7	RB375	*P17	TP64	*P6
RB132	*E13	RB284	*G8	RB376	*P8	TP65	*P6
RB133	*E14	RB285	*G12	RB377	*P12	TP66	*M8
RB134	*E14	RB286	*G13	RB378	*P17	TP67	*M8
RB135	*E14	RB287	*G16	RB379	*Q17	TP68	*M7
RB136	*C11	RB288	*G3	RB400	*J4	TP69	*M7
RB137	*C11	RB289	*G4	RB401	*J4	TP70	*N7
RB138	*C12	RB290	*G5	RB402	*J4	TP71	*N7
RB139	*C12	RB291	*G7	RB403	*H4	TP72	*N7
RB200	B11	RB292	*G8	RB404	*K7	TP73	*N8
RB201	B11	RB293	*G13	RB405	*J7	TP74	*M7
RB202	B12	RB294	*G16	RB406	*J7	TP75	*M7
RB203	C11	RB295	*G17	RB407	*J7	TP76	*M7
RB204	C11	RB296	*G3	RB408	*H7	TP77	*M6
RB205	C12	RB297	*G4	RB409	*H7	TP78	*N6
RB206	*D3	RB298	*G5	RB410	*H7	TP79	*N7
RB207	*D4	RB299	*G7	RB411	*H7	TP80	*N7
RB208	*D5	RB300	*G8	RB412	*M4	TP99	*E2
RB209	*D6	RB301	*G12	RB413	*L4		
RB210	*D7	RB302	*H12	RB414	*L4	*:B SIDE	
RB211	*D8	RB303	*G16	RB415	*L4		
RB212	*D12	RB304	*G17	RB416	*L6		
RB213	*D12	RB305	*H4	RB417	*L6		
RB214	*D13	RB306	*H4	RB418	*L6		
RB215	*D13	RB307	*H5	RB419	*L6		
RB216	*D3	RB308	*H16	RB420	*K6		
RB217	*D4	RB309	*H17	RB421	*K6		
RB218	*D4	RB310	*H3	RB422	*K6		
RB219	*D5	RB311	*H4	RB423	*K6		
RB220	*D5	RB312	*H5				
RB221	*D6	RB313	*H16	TP1	Q4		
RB222	*D7	RB314	*H3	TP2	Q5		
RB223	*D8	RB315	*H8	TP3	Q5		
RB224	*D12	RB316	*H12	TP4	Q6		
RB225	*D15	RB317	*H16	TP5	Q6		
RB226	*D16	RB318	*J3	TP6	Q6		
RB227	*D17	RB319	*H8	TP7	Q5		
RB228	*E3	RB320	*J12	TP8	Q5		
RB229	*E6	RB321	*J13	TP10	*H2		
RB230	*E7	RB322	*J16	TP11	*E3		
RB231	*E8	RB323	*H17	TP12	*F2		
RB232	*E12	RB324	*J17	TP13	*J2		
RB233	*E15	RB325	*J8	TP14	*F3		
RB234	*E16	RB326	*J12	TP15	*E2		
RB235	*E17	RB327	*J13	TP16	*F2		
RB236	*E6	RB328	*J16	TP17	*K2		
RB237	*E12	RB329	*J13	TP18	*M2		
RB238	*E13	RB330	*J16	TP19	*N9		
RB239	*E13	RB331	*J17	TP20	*M9		
RB240	*E15	RB332	*J3	TP21	*E9		
RB241	*E16	RB333	*K13	TP22	*D9		
RB242	*E17	RB334	*J16	TP23	*L9		
RB243	*E3	RB335	*K3	TP24	*J9		
RB244	*E4	RB336	*K8	TP25	*H9		
RB245	*E5	RB337	*K8	TP26	*G9		
RB246	*E6	RB338	*K12	TP27	*L11		
RB247	*E7	RB339	*K13	TP28	*M11		
RB248	*E8	RB340	*K16	TP29	*E11		
RB249	*F3	RB341	*K17	TP30	*F11		
RB250	*F4	RB342	*K3	TP31	*N11		
RB251	*F5	RB343	*K12	TP32	*Q11		
RB252	*F6	RB344	*K13	TP33	*H18		
RB253	*F7	RB345	*K16	TP34	*G18		



DI-21 -B SIDE-
SUFFIX: -12





HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

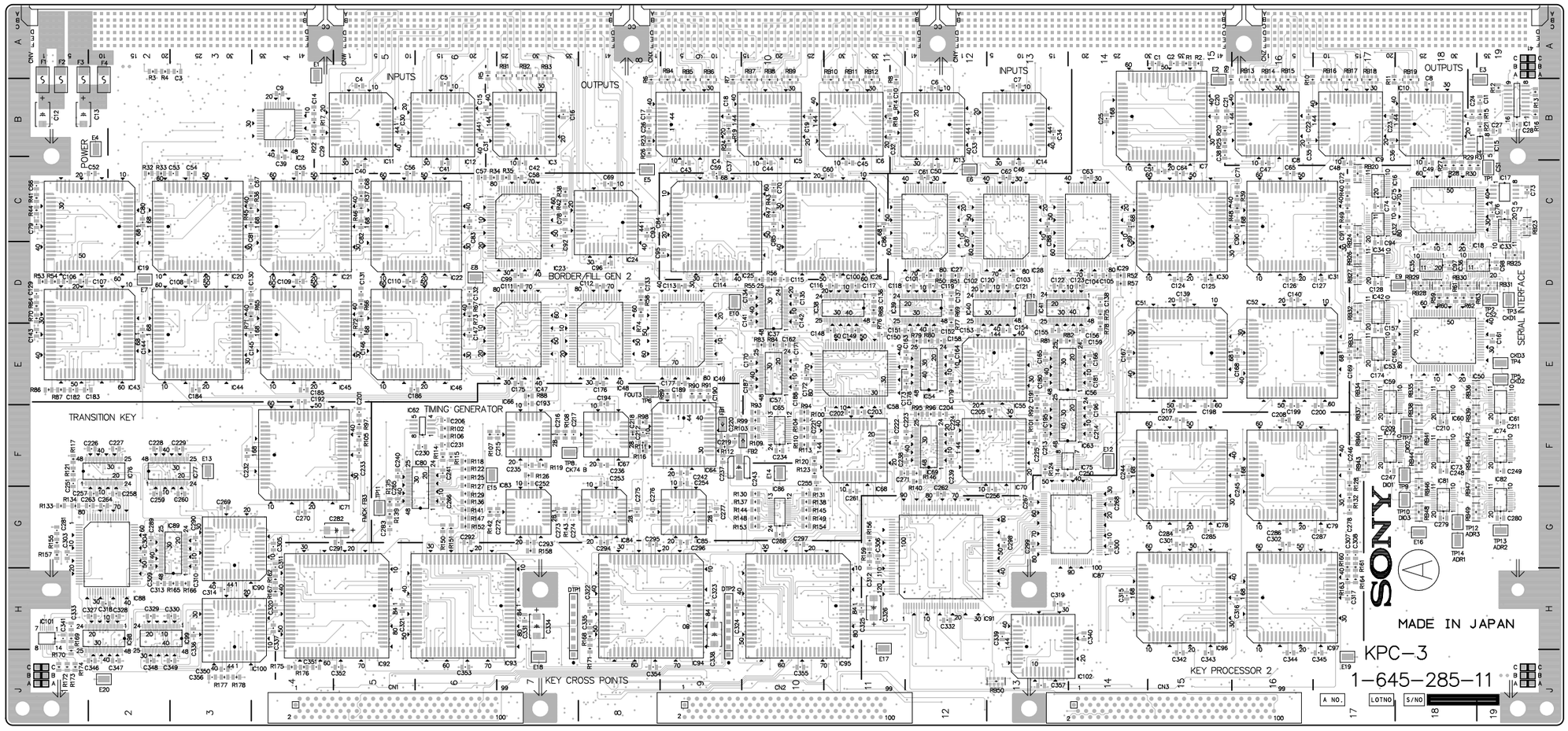
IF-656 -A SIDE-
SUFFIX: -12

IF-656 -B SIDE-
SUFFIX: -12

IF-656 (1-668-560-12)

CN1	*B1
CN2	*F1
IC1	A3
IC2	B4
IC3	B3
IC4	C4
IC5	D3
IC6	D4
IC7	E3
IC8	E4
IC9	F3
IC10	F4
IC11	G3
IC12	*A1
IC13	*A3
IC14	*B1
IC15	*B3
IC16	*C1
IC17	*C1
IC18	*D3
IC19	*D1
IC20	*E1
IC21	*E3
IC22	*E1
IC23	*F3
IC24	*F1
IC25	*G1
IC26	*G3
X1	*A4
X2	*B4
X3	*C4
X4	*E4
X5	*F4
X6	*G4

*:B SIDE



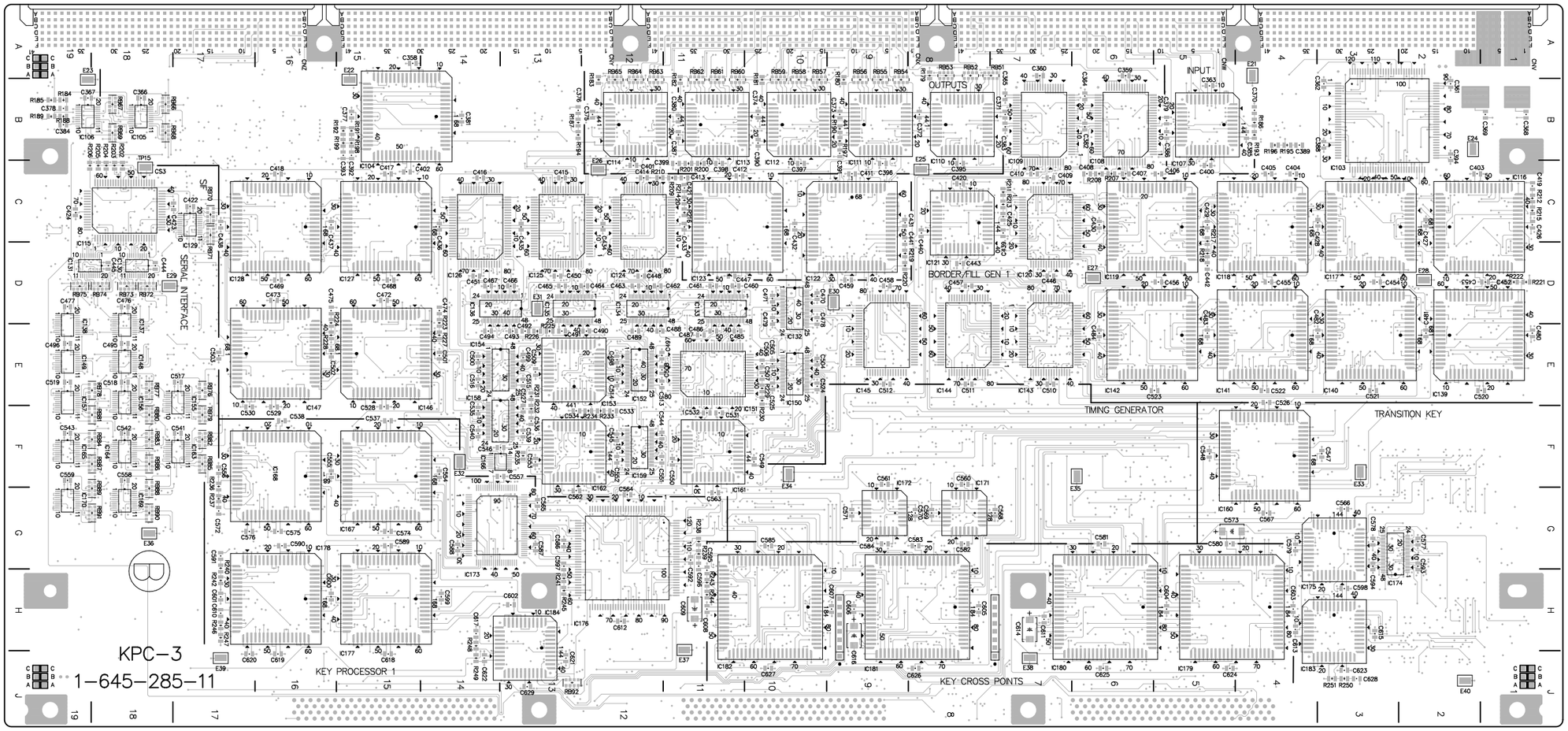
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

KPC-3 -A SIDE-
SUFFIX: -11

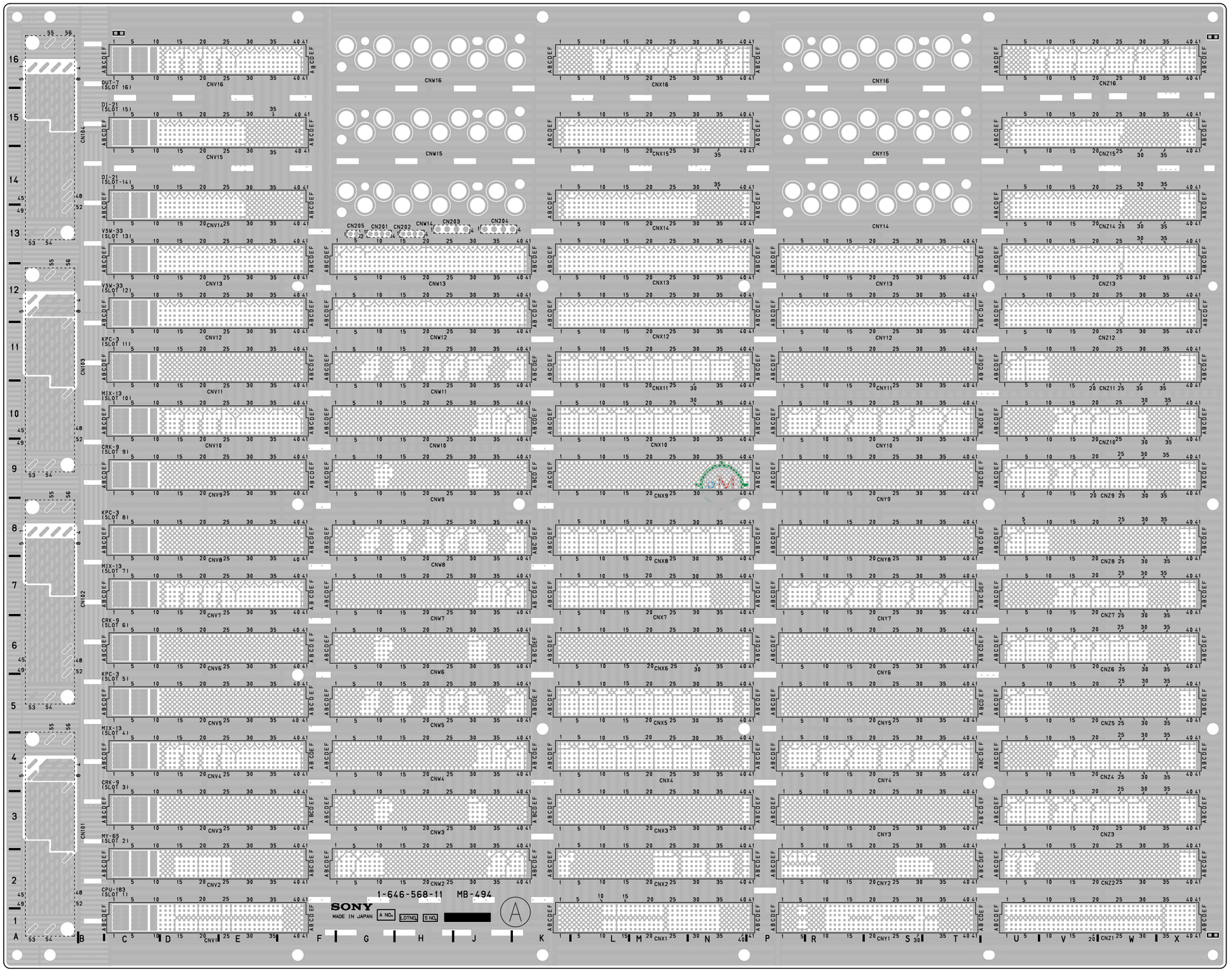
KPC-3 (1-645-285-11)

CN1	J5	IC40	D13
CN2	J10	IC41	D13
CN3	J15	IC42	D17
		IC43	E2
E1	A4	IC44	E3
E2	B15	IC45	E4
E3	B19	IC46	E6
E4	B2	IC47	E7
E5	C8	IC48	E8
E6	C12	IC49	E9
E7	D2	IC50	E18
E8	D6	IC51	E15
E9	D18	IC52	E16
E10	D9	IC53	E17
E11	D13	IC54	E12
E12	F14	IC55	E13
E13	F3	IC56	E13
E14	F10	IC57	E10
E15	F6	IC58	E11
E16	G18	IC59	E17
E17	H11	IC60	E18
E18	J7	IC61	E19
E19	J17	IC62	F6
E20	J2	IC63	F13
E21	*A4	IC64	F9
E22	*B15	IC65	F10
E23	*B19	IC66	F7
E24	*B2	IC67	F8
E25	*C8	IC68	F11
E26	*C12	IC69	F12
E27	*D6	IC70	F13
E28	*D2	IC71	F4
E29	*D18	IC72	F17
E30	*D9	IC73	F18
E31	*D13	IC74	F19
E32	*F14	IC75	F14
E33	*F3	IC76	F2
E34	*F10	IC77	F2
E35	*F6	IC78	F15
E36	*G18	IC79	F16
E37	*H11	IC80	G6
E38	*J7	IC81	G18
E39	*J17	IC82	G19
E40	*J2	IC83	G7
		IC84	G8
F1	B1	IC85	G9
F2	B1	IC86	G10
F3	B1	IC87	G14
F4	B2	IC88	G2
		IC89	G3
FB1	F9	IC90	G3
FB2	F10	IC91	G12
		IC92	H5
IC1	B19	IC93	H6
IC2	B4	IC94	H8
IC3	B7	IC95	H10
IC4	B9	IC96	H15
IC5	B10	IC97	H16
IC6	B11	IC98	H2
IC7	B15	IC99	H2
IC8	B16	IC100	H3
IC9	B17	IC101	H1
IC10	B18	IC102	H13
IC11	B5	IC103	*B3
IC12	B6	IC104	*B15
IC13	B12	IC105	*B18
IC14	B13	IC106	*B19
IC15	B19	IC107	*B5
IC16	C17	IC108	*B6
IC17	C19	IC109	*B7
IC18	C18	IC110	*B8
IC19	C2	IC111	*B9
IC20	C3	IC112	*B10
IC21	C4	IC113	*B11
IC22	C6	IC114	*B12
IC23	C7	IC115	*C18
IC24	C8	IC116	*C2
IC25	C9	IC117	*C3
IC26	C11	IC118	*C4
IC27	C12	IC119	*C6
IC28	C13	IC120	*C7
IC29	C14	IC121	*C8
IC30	C15	IC122	*C9
IC31	C16	IC123	*C11
IC32	C17	IC124	*C12
IC33	C19	IC125	*C13
IC34	D17	IC126	*C14
IC35	D18	IC127	*C15
IC36	D19	IC128	*C16
IC37	D10	IC129	*C17
IC38	D11	IC130	*D18
IC39	D12	IC131	*D19

IC132	*D10	RB41	F18
IC133	*D11	RB42	F18
IC134	*D12	RB43	F17
IC135	*D13	RB44	F18
IC136	*D13	RB45	F18
IC137	*E18	RB46	G18
IC138	*E19	RB47	G18
IC139	*E2	RB48	G18
IC140	*E3	RB49	G18
IC141	*E4	RB50	J13
IC142	*E6	RB51	*A7
IC143	*E7	RB52	*A8
IC144	*E8	RB53	*A8
IC145	*E9	RB54	*B9
IC146	*E15	RB55	*B9
IC147	*E16	RB56	*B9
IC148	*E18	RB57	*B10
IC149	*E19	RB58	*B10
IC150	*E10	RB59	*B10
IC151	*E11	RB60	*B11
IC152	*E12	RB61	*B11
IC153	*E13	RB62	*B11
IC154	*E13	RB63	*B12
IC155	*E17	RB64	*B12
IC156	*E18	RB65	*B12
IC157	*E19	RB66	*B18
IC158	*F13	RB67	*B18
IC159	*F12	RB68	*B18
IC160	*F4	RB69	*B18
IC161	*F11	RB70	*C17
IC162	*F13	RB71	*C17
IC163	*F17	RB72	*D18
IC164	*F18	RB73	*D18
IC165	*F19	RB74	*D18
IC166	*F14	RB75	*D19
IC167	*F15	RB76	*E17
IC168	*F16	RB77	*E18
IC169	*G18	RB78	*E18
IC170	*G19	RB79	*F17
IC171	*G8	RB80	*F18
IC172	*G9	RB81	*F18
IC173	*G14	RB82	*F17
IC174	*G3	RB83	*F18
IC175	*G3	RB84	*F18
IC176	*G12	RB85	*F17
IC177	*H15	RB86	*F18
IC178	*H16	RB87	*F18
IC179	*H5	RB88	*G18
IC180	*H6	RB89	*G18
IC181	*H8	RB90	*G18
IC182	*H10	RB91	*G18
IC183	*H3	RB92	*J13
IC184	*H13		
		TP1	C19
RB1	A7	TP2	D19
RB2	A7	TP3	D19
RB3	A7	TP4	E19
RB4	B9	TP5	E19
RB5	B9	TP6	E8
RB6	B9	TP7	F18
RB7	B10	TP8	F7
RB8	B10	TP9	F18
RB9	B10	TP10	G18
RB10	B11	TP11	G5
RB11	B11	TP12	G18
RB12	B11	TP13	G19
RB13	B16	TP14	G18
RB14	B16	TP15	*C18
RB15	B16		
RB16	B17	*:B SIDE	
RB17	B17		
RB18	B17		
RB19	B18		
RB20	C17		
RB23	C19		
RB24	C17		
RB25	D19		
RB26	D17		
RB27	D17		
RB28	D18		
RB29	D18		
RB30	D18		
RB31	D19		
RB32	D17		
RB33	E17		
RB34	E17		
RB35	E18		
RB36	E18		
RB37	F17		
RB38	F18		
RB39	F18		
RB40	F17		



KPC-3 -B SIDE-
SUFFIX: -11



MB-494 (1-646-568-11)

CN101	*A3
CN102	*A7
CN103	*A11
CN104	*A15
CN201	*G13
CN202	*H13
CN203	*H13
CN204	*J13
CN205	*G13

CNV1	D1
CNV2	D2
CNV3	D3
CNV4	D4
CNV5	D5
CNV6	D6
CNV7	D7
CNV8	D8
CNV9	D9
CNV10	D10
CNV11	D11
CNV12	D12
CNV13	D13
CNV14	D13
CNV15	D15
CNV16	D16

CNW2	H2
CNW3	H3
CNW4	H4
CNW5	H5
CNW6	H6
CNW7	H7
CNW8	H8
CNW9	H9
CNW10	H10
CNW11	H11
CNW12	H12
CNW13	H13

CNX1	M1
CNX2	M2
CNX3	M3
CNX4	M4
CNX5	M5
CNX6	M6
CNX7	M7
CNX8	M8
CNX9	M9
CNX10	M10
CNX11	M11
CNX12	M12
CNX13	M13
CNX14	M13
CNX15	M15
CNX16	M16

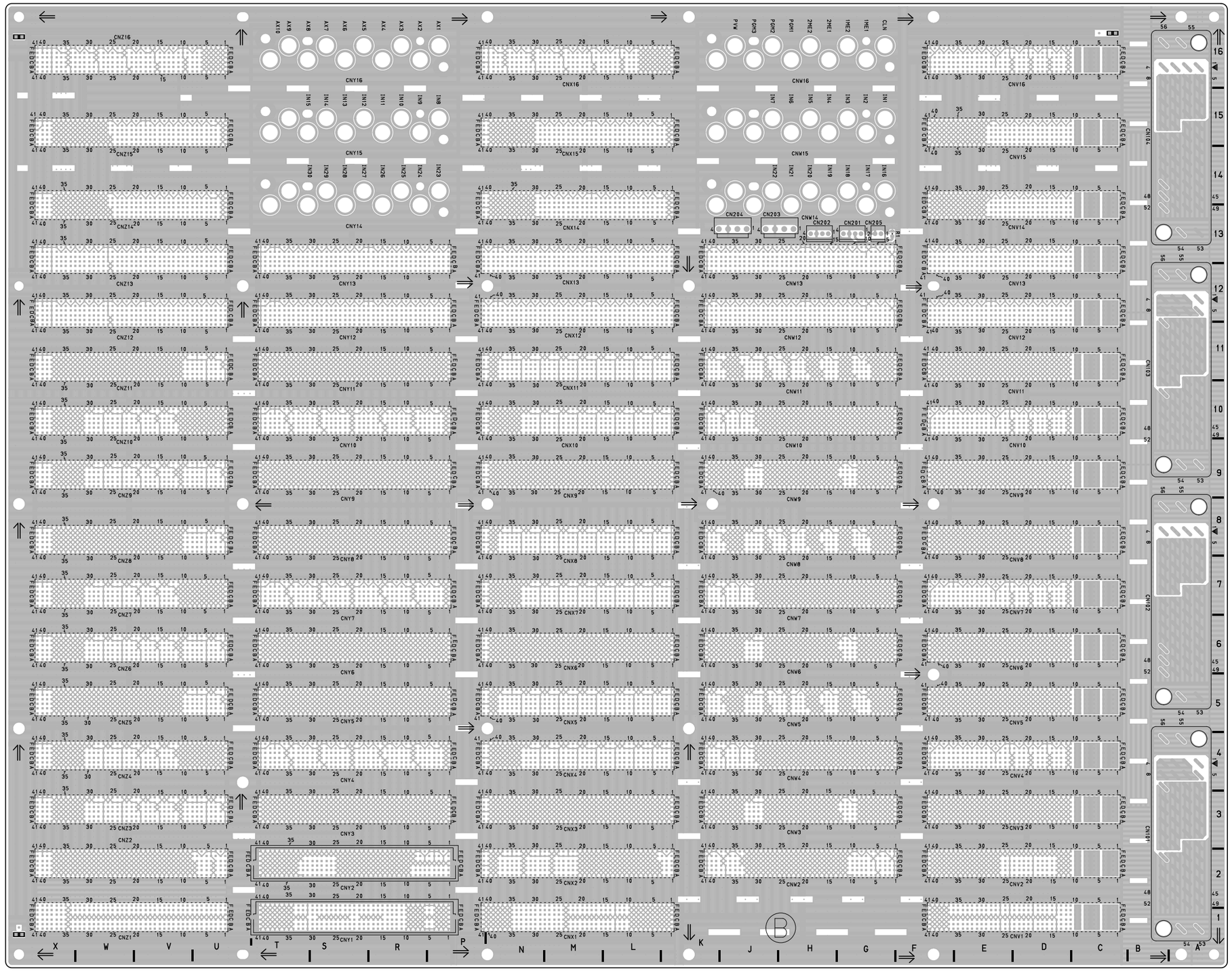
CNY1	S1
CNY2	S2
CNY3	S3
CNY4	S4
CNY5	S5
CNY6	S6
CNY7	S7
CNY8	S8
CNY9	S9
CNY10	S10
CNY11	S11
CNY12	S12
CNY13	S13

CNZ1	W1
CNZ2	W2
CNZ3	W3
CNZ4	W4
CNZ5	W5
CNZ6	W6
CNZ7	W7
CNZ8	W8
CNZ9	W9
CNZ10	W10
CNZ11	W11
CNZ12	W12
CNZ13	W13
CNZ14	W13
CNZ15	W15
CNZ16	W16

*:B SIDE

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

MB-494 -A SIDE-
SUFFIX: -11



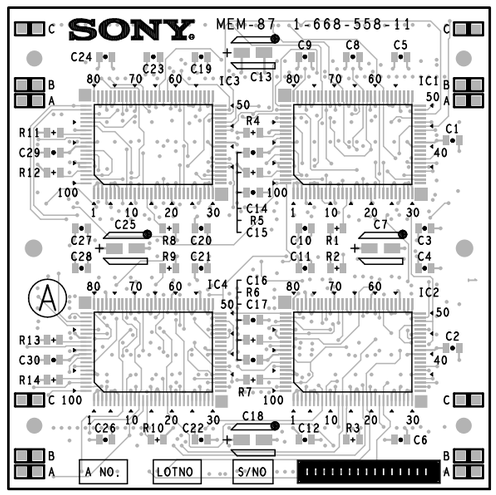
MB-494 -B SIDE-
SUFFIX: -11

MEM-87, MEM-92

MEM-87 (1-668-558-11)

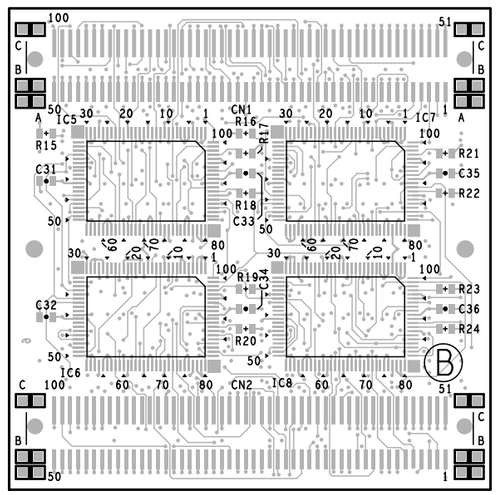
CN1	*A1
CN2	*A1
IC1	A1
IC2	A1
IC3	A1
IC4	A1
IC5	*A1
IC6	*A1
IC7	*A1
IC8	*A1

*:B SIDE



HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

MEM-87 -A SIDE-
SUFFIX: -11

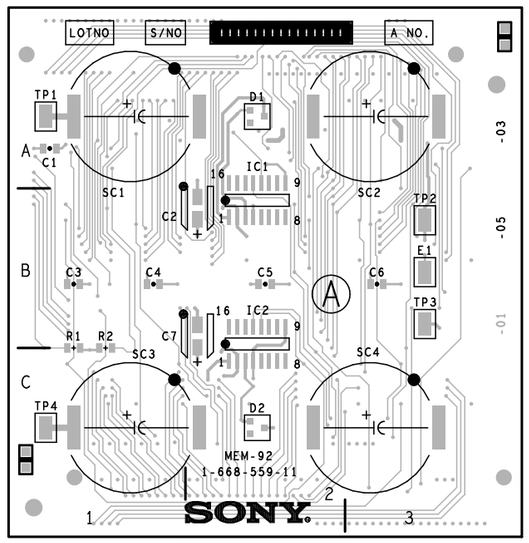


MEM-87 -B SIDE-
SUFFIX: -11

MEM-92 (1-668-559-11)

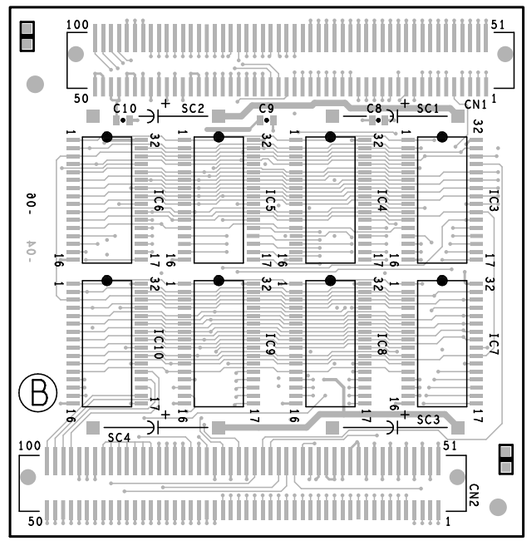
CN1	*A2
CN2	*C2
D1	A2
D2	C2
E1	B3
IC1	B2
IC2	B2
IC3	*B1
IC4	*B2
IC5	*B2
IC6	*B3
IC7	*B1
IC8	*B2
IC9	*B2
IC10	*B3
SC1	A1
SC2	A2
SC3	C1
SC4	C2
TP1	A1
TP2	B3
TP3	B3
TP4	C1

*:B SIDE

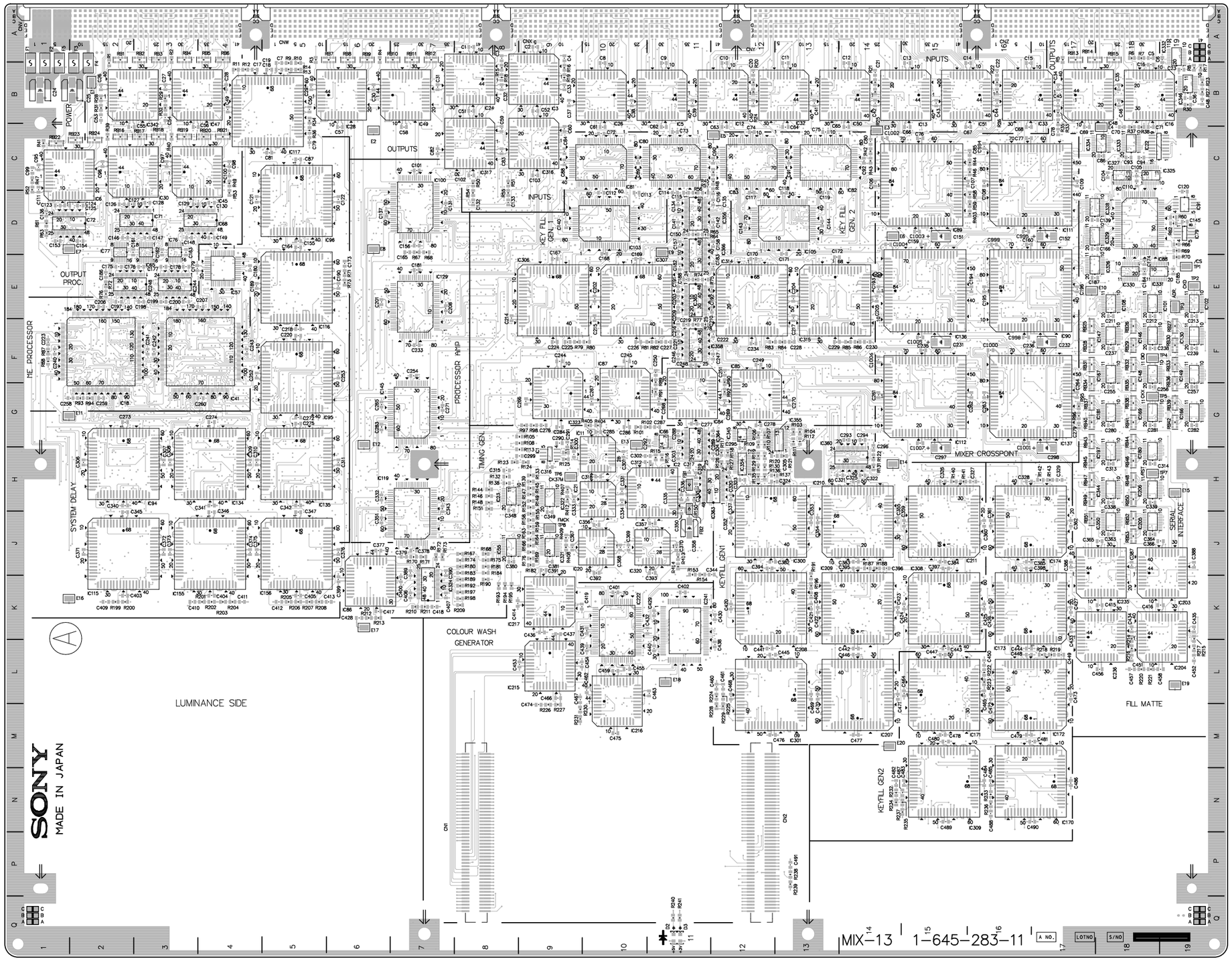


HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

MEM-92 -A SIDE-
SUFFIX: -11



MEM-92 -B SIDE-
SUFFIX: -11



MIX-13 (1-645-283-11)

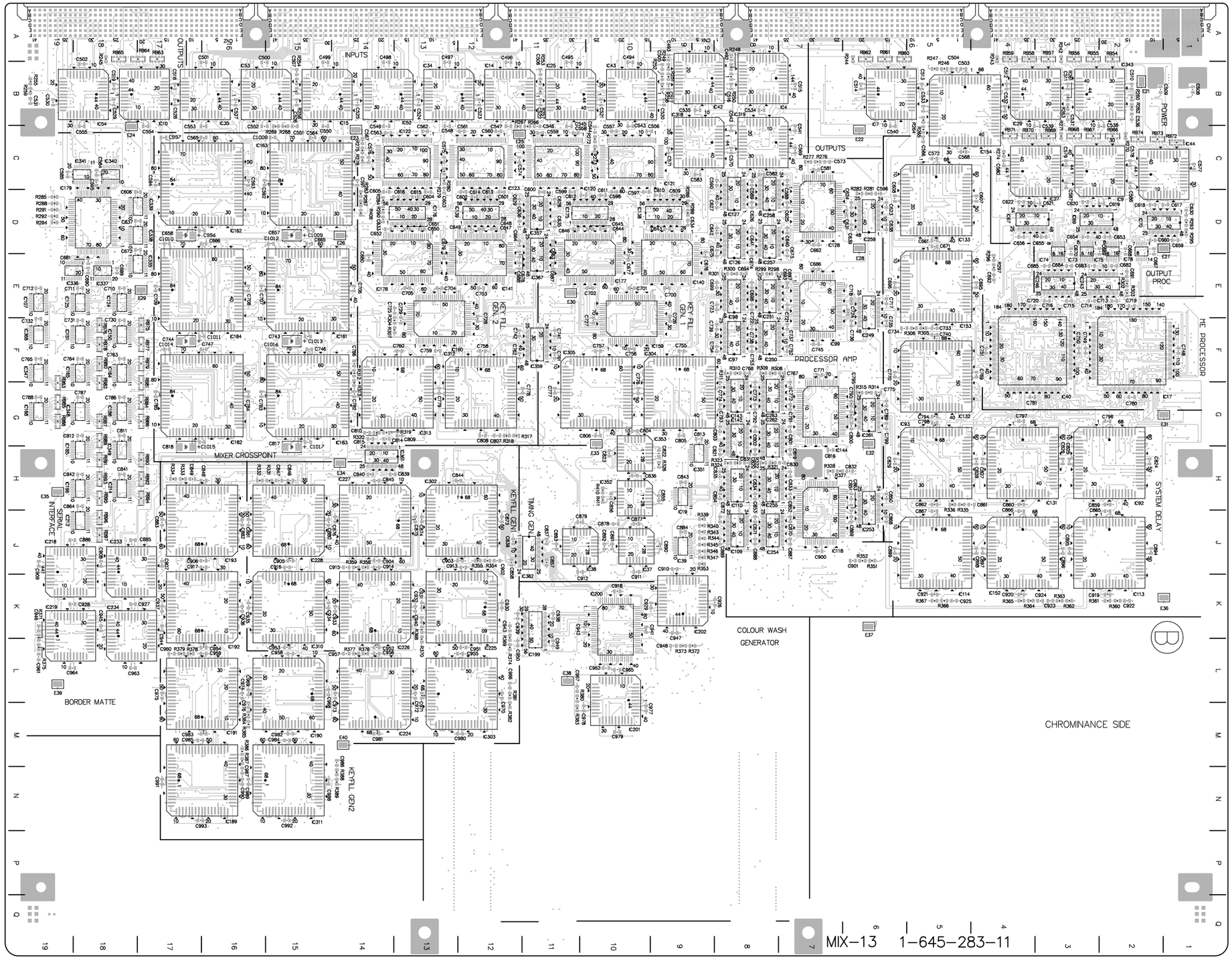
CN1	P8	IC40	*F4	IC143	*G8
CN2	P12	IC41	F4	IC144	*G7
		IC42	*B9	IC145	G7
D2	R11	IC43	*B10	IC146	F18
D3	R11	IC44	*C1	IC147	F18
		IC45	C3	IC148	F18
E1	B2	IC47	B3	IC149	F19
E2	C6	IC48	B17	IC150	*F18
E3	C14	IC49	B7	IC151	*F18
E4	C18	IC50	B14	IC152	*J4
E5	C12	IC51	B15	IC153	*E5
E6	D14	IC52	*B14	IC154	*B5
E7	D1	IC53	*B15	IC155	J4
E8	D6	IC54	*B18	IC156	J5
E9	D11	IC55	J8	IC159	*F10
E10	E17	IC57	E4	IC160	*F13
E11	G1	IC65	D3	IC161	*E15
E12	G6	IC66	G11	IC162	*C16
E13	G10	IC67	*D4	IC163	*C15
E14	H14	IC68	D4	IC164	*F18
E15	H19	IC69	*D3	IC165	*F18
E16	K1	IC70	*D1	IC166	G19
E17	K6	IC71	D3	IC167	F18
E18	L11	IC72	D1	IC168	*G19
E19	L19	IC73	*D3	IC169	G18
E20	M14	IC74	*D3	IC170	N16
E21	*B2	IC75	*D2	IC171	L15
E22	*C6	IC76	D3	IC172	L16
E23	*C14	IC77	D2	IC173	K16
E24	*C18	IC78	*D2	IC174	J16
E25	*C12	IC79	D19	IC175	*D11
E26	*D14	IC80	C11	IC176	*D14
E27	*D1	IC81	C10	IC177	*E10
E28	*D6	IC82	C13	IC178	*E13
E29	*E17	IC83	C12	IC179	*D18
E30	*E11	IC84	G11	IC180	H18
E31	*G1	IC85	G12	IC181	G18
E32	*G6	IC86	K6	IC182	*G16
E33	*G10	IC87	G10	IC183	*G15
E34	*H14	IC88	D18	IC184	*E16
E35	*H19	IC89	C15	IC185	*H18
E36	*K1	IC90	E16	IC186	*G18
E37	*K6	IC91	D19	IC189	*N16
E38	*L11	IC92	*H2	IC190	*L15
E39	*L19	IC93	*H5	IC191	*L16
E40	*M14	IC94	H2	IC192	*K16
		IC95	F5	IC193	*J16
F1	B1	IC96	D5	IC196	*H18
F2	B1	IC97	*F8	IC197	H18
F3	B2	IC98	*E8	IC199	*L11
F4	B2	IC99	*E7	IC200	*K10
F5	B1	IC100	D7	IC201	*L10
		IC101	E18	IC202	*K9
FB1	H11	IC102	E19	IC203	J19
FB2	H11	IC103	D10	IC204	K19
		IC105	D13	IC205	J18
IC1	H9	IC107	*E19	IC206	H18
IC2	H11	IC108	E18	IC207	L14
IC3	B9	IC109	*J8	IC208	K12
IC4	*B8	IC110	*H8	IC209	K14
IC5	B11	IC111	C16	IC210	J14
IC6	C1	IC112	G15	IC211	J15
IC7	*B6	IC113	*J2	IC213	*J18
IC9	*C2	IC114	*J5	IC214	*H18
IC10	*B17	IC115	J2	IC215	L9
IC11	H10	IC116	E5	IC216	L10
IC12	B12	IC117	B5	IC217	K9
IC13	B15	IC118	*J7	IC218	*J19
IC14	*B12	IC119	J7	IC219	*K19
IC15	*B15	IC120	*C11	IC222	K10
IC16	B18	IC121	*C10	IC224	*L14
IC17	*F2	IC122	*C13	IC225	*K12
IC18	F2	IC123	*C12	IC226	*K14
IC19	*H9	IC124	*E18	IC227	*J14
IC20	J10	IC125	*E18	IC228	*J15
IC21	H10	IC126	*D8	IC233	*J18
IC22	C18	IC127	*D8	IC234	*K18
IC23	H8	IC128	*D7	IC235	J18
IC24	B8	IC129	E7	IC236	K18
IC25	*B11	IC130	F19	IC241	K11
IC26	B10	IC131	*H4	IC243	*E2
IC27	*C3	IC132	*F5	IC244	E3
IC28	B6	IC133	*D5	IC246	*E3
IC29	*B3	IC134	H4	IC248	E2
IC30	C2	IC135	H5	IC249	*E6
IC32	B13	IC136	E15	IC250	*F8
IC33	B16	IC137	G16	IC251	*E8
IC34	*B13	IC138	*D10	IC253	*H6
IC35	*B16	IC139	*D12	IC254	*J8
IC37	*J10	IC140	*E9	IC255	*H8
IC38	*J11	IC141	*E12	IC257	*D8
IC39	*J9	IC142	*G8	IC258	*D8

HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

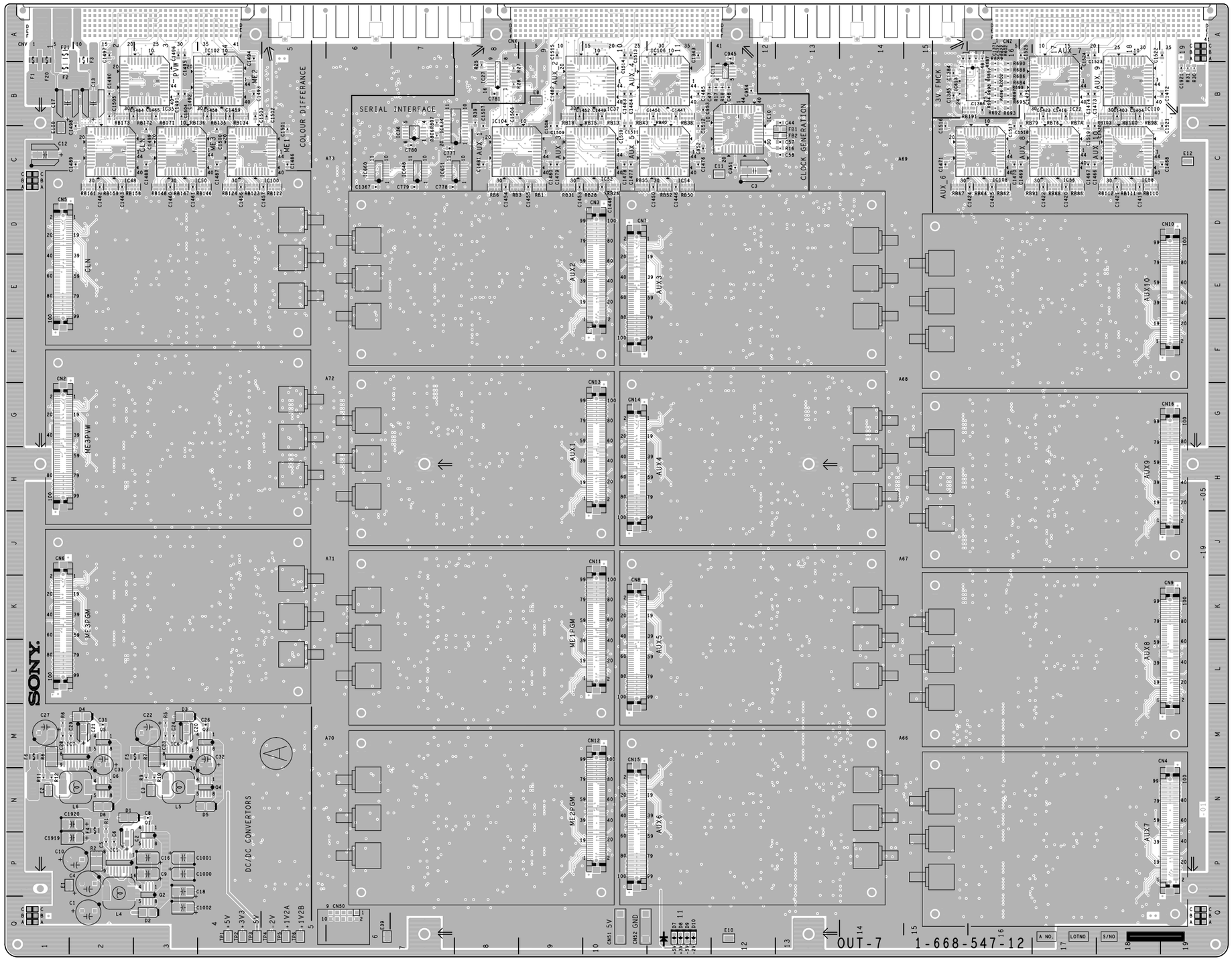
MIX-13 -A SIDE-
SUFFIX: -11

http://getMANUAL.com

IC259	*D6	RB19	C3
IC261	*G6	RB20	C4
IC262	*G8	RB21	C4
IC263	*G8	RB22	C1
IC300	J12	RB23	C2
IC301	L12	RB24	C2
IC302	*J12	RB25	F17
IC303	*L12	RB26	F18
IC304	*G9	RB27	F19
IC305	*G10	RB28	F17
IC306	E9	RB29	F18
IC307	E10	RB30	F19
IC308	K15	RB31	F17
IC309	N15	RB32	F18
IC310	*K15	RB33	F19
IC311	*N15	RB34	G17
IC312	*G12	RB35	G18
IC313	*G13	RB36	G19
IC314	E12	RB37	G17
IC315	E13	RB38	G18
IC316	C9	RB39	G19
IC317	C8	RB40	G17
IC318	*C9	RB41	G18
IC319	*C8	RB42	G19
IC320	J11	RB43	G17
IC321	J9	RB44	G18
IC322	H9	RB45	H17
IC323	G9	RB46	H18
IC324	K7	RB47	H17
IC325	C18	RB48	H18
IC326	E17	RB49	H17
IC327	C18	RB50	H18
IC328	D17	RB51	J17
IC329	D17	RB52	J18
IC330	E18	RB53	J18
IC331	E18	RB54	*A2
IC332	A19	RB55	*A3
IC333	C18	RB56	*A3
IC334	C18	RB57	*A3
IC335	*E17	RB58	*A4
IC336	*E18	RB59	*A4
IC337	*E18	RB60	*A6
IC338	*D17	RB61	*A6
IC339	*D17	RB62	*A6
IC340	*C18	RB63	*A17
IC341	*C18	RB64	*A17
IC342	B2	RB65	*A18
IC343	*B2	RB66	*C2
IC344	H18	RB67	*C3
IC345	G12	RB68	*C3
IC346	B19	RB69	*C3
IC347	*F19	RB70	*C4
IC348	*G18	RB71	*C4
IC349	*H18	RB72	*C1
IC350	J18	RB73	*C2
IC351	*H9	RB74	*C2
IC352	*H10	RB75	*F17
IC353	*H10	RB76	*F18
IC354	H12	RB77	*F17
IC355	H13	RB78	*F18
IC356	D11	RB79	*F17
IC357	*D11	RB80	*F18
IC358	F11	RB81	*G17
IC359	*F11	RB82	*G18
IC360	H14	RB83	*G19
IC361	*H14	RB84	*G17
IC362	*J11	RB85	*G19
IC363	H12	RB86	*G17
IC364	G11	RB87	*G18
IC365	E11	RB88	*G19
IC366	E11	RB89	*G18
IC367	*E11	RB90	*H17
IC368	*F19	RB91	*H18
		RB92	*H17
RB1	A2	RB93	*H18
RB2	A3	RB94	*H17
RB3	A3	RB95	*H18
RB4	A3	RB96	*J18
RB5	A4	RB97	*J18
RB6	A4		
RB7	A6	TP1	E19
RB8	A6	TP2	E19
RB9	A6	TP3	E19
RB10	A7	TP4	F18
RB11	A7	TP5	G18
RB12	A7	TP6	H9
RB13	A17	TP7	H18
RB14	A17	TP8	J9
RB15	A18		
RB16	C2	*:B SIDE	
RB17	C3		
RB18	C3		



MIX-13 -B SIDE-
SUFFIX: -11



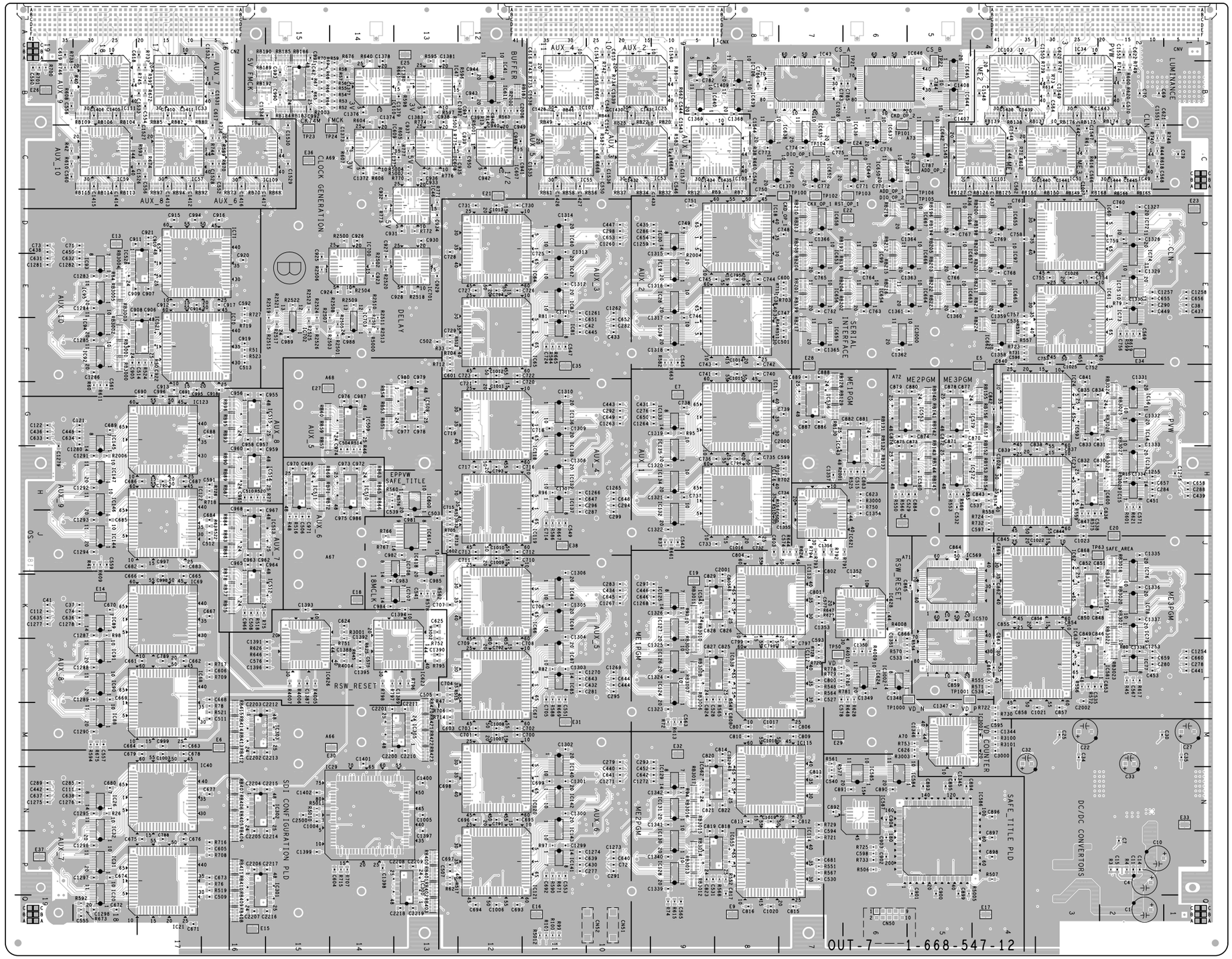
OUT-7 (1-668-547-12)

CN2	G1	IC20	*P18	IC119	*H12
CN3	E10	IC21	*P17	IC120	*N12
CN4	N19	IC22	B17	IC121	*P12
CN5	E1	IC23	*H3	IC122	*J17
CN6	K1	IC24	*G3	IC123	*G17
CN7	E10	IC25	*B10	IC124	*L9
CN8	L10	IC26	*N18	IC125	*K9
CN9	L19	IC27	B8	IC126	*L9
CN10	E19	IC28	*E9	IC127	*K9
CN11	K10	IC29	*N14	IC128	*P9
CN12	N10	IC30	*D9	IC129	*N9
CN13	H10	IC31	*P18	IC130	*P9
CN14	H10	IC32	*N18	IC131	*N9
CN15	N10	IC33	*B17	IC132	*J9
CN16	H19	IC34	*B3	IC133	*G9
CN50	Q6	IC35	B3	IC134	*H9
CN51	Q10	IC36	C7	IC135	*H9
CN52	Q10	IC37	B10	IC136	*G11
		IC38	*F8	IC137	*H11
D1	N2	IC39	*F9	IC138	*G11
D2	Q3	IC40	*N17	IC139	*H11
D3	M3	IC41	*B12	IC140	*M11
D4	M2	IC42	*B15	IC141	*P11
D5	N4	IC43	*B7	IC142	*N11
D6	N2	IC46	*D13	IC143	*N11
D7	Q11	IC47	*B13	IC144	*J18
D8	Q11	IC48	C2	IC145	*G18
D9	Q11	IC49	*C2	IC146	*H18
D10	Q11	IC50	C3	IC147	*H18
		IC51	*C3	IC300	*P13
E1	P1	IC52	C10	IC301	*P16
E2	N1	IC53	*C10	IC302	*N16
E3	N3	IC54	C11	IC303	*M16
E4	*J6	IC55	*C11	IC305	*M13
E5	*F4	IC56	C17	IC508	*G13
E6	*M16	IC57	*C17	IC509	*G14
E7	*G9	IC58	C18	IC510	*H14
E8	B9	IC59	*C18	IC511	*H15
E9	*Q8	IC60	*D3	IC512	*K16
E10	Q12	IC61	*F3	IC513	*J16
E11	C12	IC62	*K3	IC514	*H16
E12	C19	IC63	*L3	IC515	*G16
E13	*D18	IC64	*D12	IC521	*F17
E14	*K18	IC65	*F12	IC528	*E17
E15	*Q16	IC66	*K12	IC536	*G7
E16	*Q11	IC67	*L12	IC538	*L8
E17	*Q4	IC68	*M17	IC543	*H6
E18	*K14	IC69	*K17	IC545	*K8
E19	*K9	IC70	*F17	IC553	*G6
E20	*J2	IC71	*E17	IC555	*P8
E21	*D12	IC72	*D2	IC560	*H6
E22	*D6	IC73	*E2	IC562	*N8
E23	*D1	IC74	*E2	IC569	*K5
E24	*C6	IC75	*E2	IC570	*L5
E25	*A13	IC76	*J2	IC572	*H5
E26	*B19	IC77	*L2	IC574	*K3
E27	*G15	IC78	*K2	IC579	*G5
E28	*F7	IC79	*K2	IC581	*L3
E29	*M7	IC80	*D11	IC584	*N6
E30	*M14	IC81	*F11	IC585	*N6
E31	*M11	IC82	*E11	IC586	*P5
E32	*M9	IC83	*E11	IC587	*N6
E33	*N1	IC84	*K11	IC593	*G3
E34	*F2	IC85	*L11	IC600	*H3
E35	*F11	IC86	*K11	IC607	*C12
E36	*C15	IC87	*L11	IC608	*C13
E37	*P19	IC88	*M18	IC609	*C14
E38	*J11	IC89	*K18	IC610	*B14
E39	Q6	IC90	*L18	IC611	*B12
E100	C1	IC91	*L18	IC613	B16
		IC92	*F18	IC614	*J13
F1	A1	IC93	*E18	IC618	*J13
F2	B1	IC94	*F18	IC621	*J7
F3	A2	IC95	*E18	IC623	*L13
F4	N2	IC96	*D5	IC624	*L6
F5	M3	IC97	*E4	IC626	*L15
F6	M1	IC99	*E6	IC628	*K6
F20	A1	IC100	C4	IC634	C8
F21	A1	IC101	*C4	IC635	*C7
		IC102	B4	IC636	*C7
FB1	C13	IC103	*B4	IC637	*C6
FB2	C13	IC104	C8	IC638	*C8
		IC105	*C8	IC639	*B8
IC1	P2	IC106	B11	IC640	*B9
IC6	M3	IC107	*B11	IC642	*C5
IC7	M2	IC108	C16	IC644	*B5
IC10	C12	IC109	*C16	IC645	*B5
IC11	B12	IC110	B18	IC646	*B6
IC13	*H2	IC111	*B18	IC648	C7
IC14	*G2	IC112	*L8	IC649	*C6
IC15	*H2	IC113	*K8	IC650	*C6
IC16	*G2	IC114	*P8	IC651	C8
IC17	*B9	IC115	*N8	IC652	*C7
IC18	*D8	IC116	*H8	IC653	*E7
IC19	*E9	IC117	*G8	IC654	*E6
		IC118	*G12	IC655	*D4

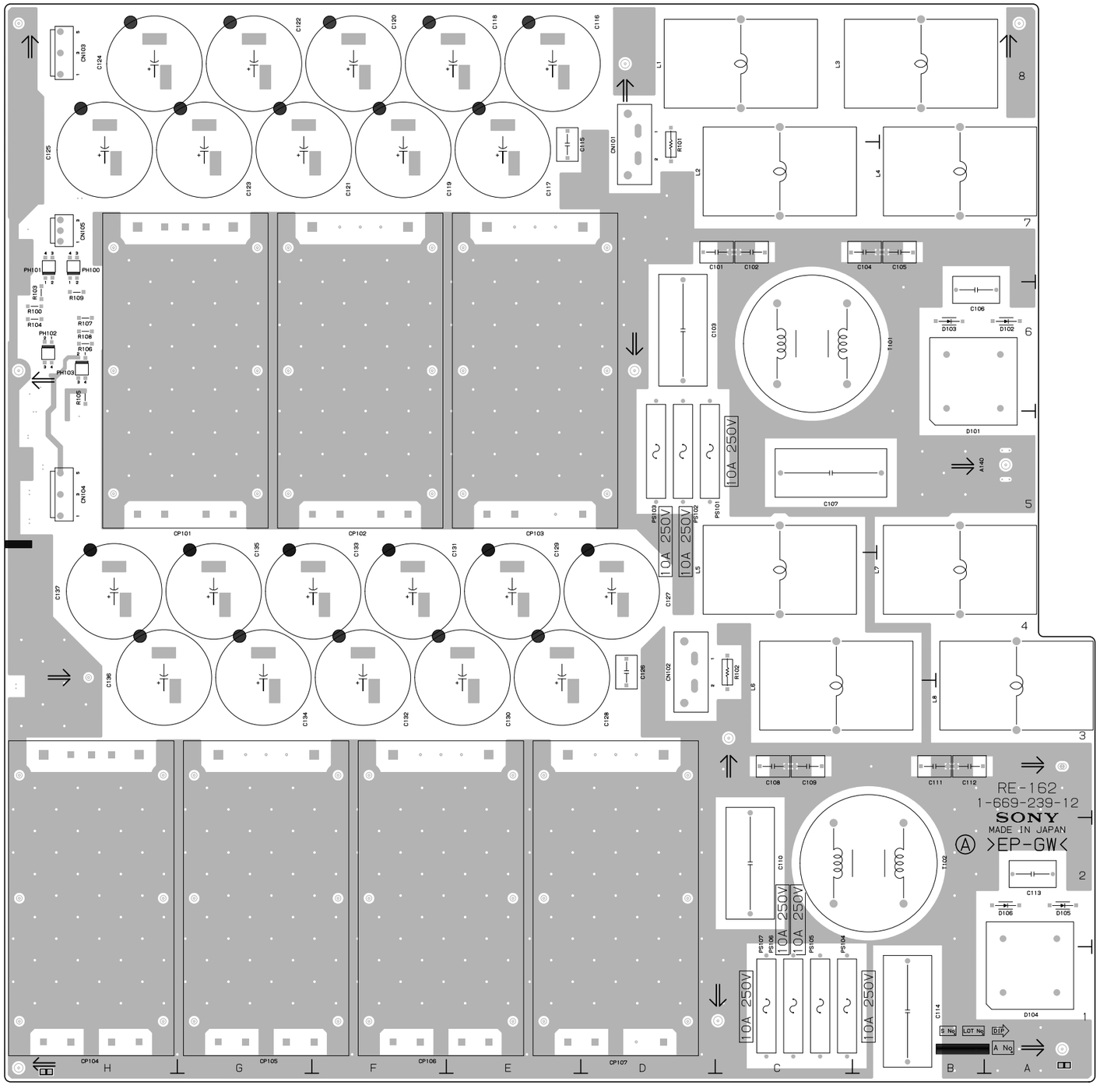
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

OUT-7 -A SIDE-
SUFFIX: -12

IC656	*E7	RB87	*H16	RB210	*D7
IC657	*E5	RB88	C17	RB211	*E4
IC658	*D7	RB89	*H16	RB212	*D6
IC659	*F7	RB90	*H16	RB213	*D7
IC660	C6	RB91	C16	RB214	*E4
IC661	*C8	RB92	*C16	RB215	*E6
IC662	*F4	RB93	*G16	RB216	*E6
IC663	*E5	RB94	*C17	RB217	*F7
IC664	*E5	RB95	*G16	RB218	*D6
IC665	*E4	RB96	*G16	RB222	*E5
IC666	*E5	RB97	*C17	RB223	*E5
IC667	*D5	RB98	B18	RB224	*F4
IC700	*E14	RB100	B18	RB400	*P13
IC701	*E13	RB103	B18	RB401	*P13
IC702	*F15	RB104	*B18	RB402	*P13
IC703	*F14	RB106	*B18	RB403	*Q13
IC706	*B8	RB109	*B18	RB404	*P16
IC707	*K13	RB110	C18	RB405	*N16
IC708	*J13	RB111	C18	RB406	*N16
IC800	*H13	RB112	C18	RB407	*N16
IC3000	*F6	RB113	*C18	RB408	*Q16
IC3001	*M5	RB114	*C18	RB409	*Q16
IC3002	*L6	RB115	*C18	RB410	*P16
		RB122	C5	RB411	*P16
L4	P2	RB123	C4	RB412	*M16
L5	N3	RB124	C4	RB413	*M16
L6	N2	RB125	*C4	RB414	*M16
		RB126	*C4	RB415	*M16
Q1	P3	RB127	*C5	RB420	*M13
Q2	P3	RB128	*F7	RB421	*M13
Q3	M4	RB129	*G7	RB422	*M13
Q4	N4	RB130	*G7	RB423	*M13
Q5	M2	RB131	*G6	RB3000	*F18
Q6	N2	RB132	*G6	RB3001	*F18
		RB133	*H6	RB3002	*F18
RB1	C9	RB134	B4	RB3003	*E18
RB3	C8	RB135	B4	RB3004	*E18
RB6	C8	RB136	B3	RB3005	*E18
RB7	*C8	RB137	*B3	RB3006	*L9
RB9	*C8	RB138	*B4	RB3007	*L9
RB12	*C9	RB139	*B4	RB3008	*L9
RB13	B10	RB140	*G5	RB3009	*L9
RB15	B10	RB141	*G5	RB3010	*K9
RB18	B9	RB142	*G5	RB3011	*K9
RB20	*B9	RB143	*H5	RB3012	*P9
RB22	*B10	RB144	*H5	RB3013	*P9
RB25	*B10	RB145	*H5	RB3014	*P9
RB26	C10	RB146	C4	RB3015	*N9
RB28	C10	RB147	C3	RB3016	*N9
RB31	C9	RB148	C3	RB3017	*N9
RB32	*C9	RB149	*C3	RB3018	*J2
RB34	*C10	RB150	*C3	RB3019	*K2
RB37	*C10	RB151	*C4	RB3020	*K2
RB38	B11	RB152	*H4	RB3021	*K2
RB40	B11	RB153	*H4	RB3022	*K2
RB43	B10	RB154	*H4	RB3023	*L2
RB44	*B10	RB155	*G4	RB3024	*G2
RB46	*B11	RB156	*G4	RB3025	*G2
RB49	*B11	RB157	*G4	RB3026	*G2
RB50	C11	RB158	C2	RB3027	*H2
RB51	*G14	RB159	C2	RB3028	*H2
RB52	C11	RB161	C2	RB3029	*H2
RB53	*G14	RB165	*C2		
RB54	*G14	RB166	*C2	TP1	Q4
RB55	C10	RB168	*C2	TP2	Q4
RB56	*C10	RB171	B3	TP3	Q4
RB57	*G15	RB172	B3	TP4	Q5
RB58	*C11	RB173	B2	TP5	Q5
RB59	*G15	RB174	*B2	TP6	Q5
RB60	*G15	RB175	*B3	TP21	*B6
RB61	*C11	RB176	*B3	TP22	*B5
RB62	C16	RB183	*B15	TP23	*C15
RB63	*H14	RB184	*B15	TP24	*C14
RB64	C16	RB185	*A15	TP50	*L7
RB65	*H14	RB186	*A15	TP63	*J3
RB66	*H14	RB187	*B12	TP100	*D7
RB67	C15	RB189	*B16	TP101	*C6
RB68	*C15	RB190	*A16	TP102	*D7
RB69	*H15	RB191	B16	TP103	*D6
RB70	*C16	RB192	*B16	TP104	*C7
RB71	*H15	RB194	*D5	TP105	*D5
RB72	*H15	RB195	*E6	TP106	*C5
RB73	*C16	RB196	*D5	TP107	*C5
RB74	B17	RB197	*D6	TP1000	*L5
RB75	*K16	RB198	*D4	TP1001	*L5
RB76	B17	RB199	*E7		
RB77	*K16	RB200	*D4	*:B SIDE	
RB78	*K16	RB201	*E7		
RB79	B16	RB202	*E6		
RB80	*B16	RB203	*E5		
RB81	*J16	RB204	*E6		
RB82	*B17	RB205	*D5		
RB83	*J16	RB206	*E7		
RB84	*J16	RB207	*E4		
RB85	*B17	RB208	*D7		
RB86	C17	RB209	*D4		



OUT-7 -B SIDE-
SUFFIX: -12



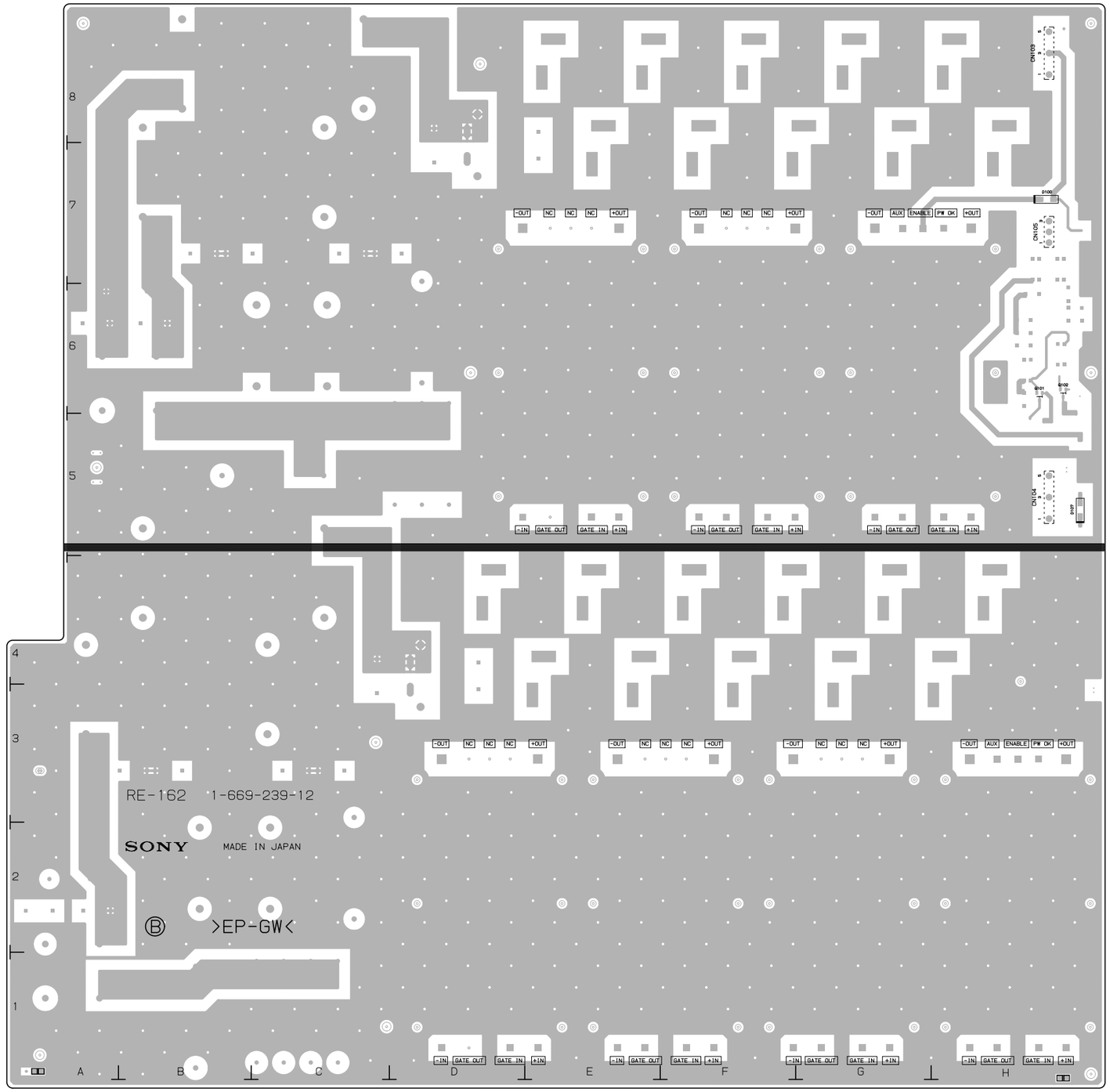
HKDS-7690 (J) : S/N 10001 and Higher
HKDS-7690 (UCJ) : S/N 11001 and Higher

RE-162 -A SIDE-
SUFFIX: -12
HKDS-7690

RE-162 (1-669-239-12)

CN101	D7
CN102	D4
CN103	H8
CN104	H5
CN105	H7
CP101	G6
CP102	F6
CP103	E6
CP104	H2
CP105	G2
CP106	F2
CP107	D2
D100	*H7
D101	B6
D102	A6
D103	B6
D104	A1
D105	A2
D106	A2
D107	*H5
L1	C8
L2	C7
L3	B8
L4	B7
L5	C4
L6	C3
L7	B4
L8	A3
PH100	H7
PH101	H7
PH102	H6
PH103	H6
PS101	D5
PS102	D5
PS103	D5
PS104	C1
PS105	C1
PS106	C1
PS107	C1
Q101	*H6
Q102	*H6
T101	C6
T102	B2

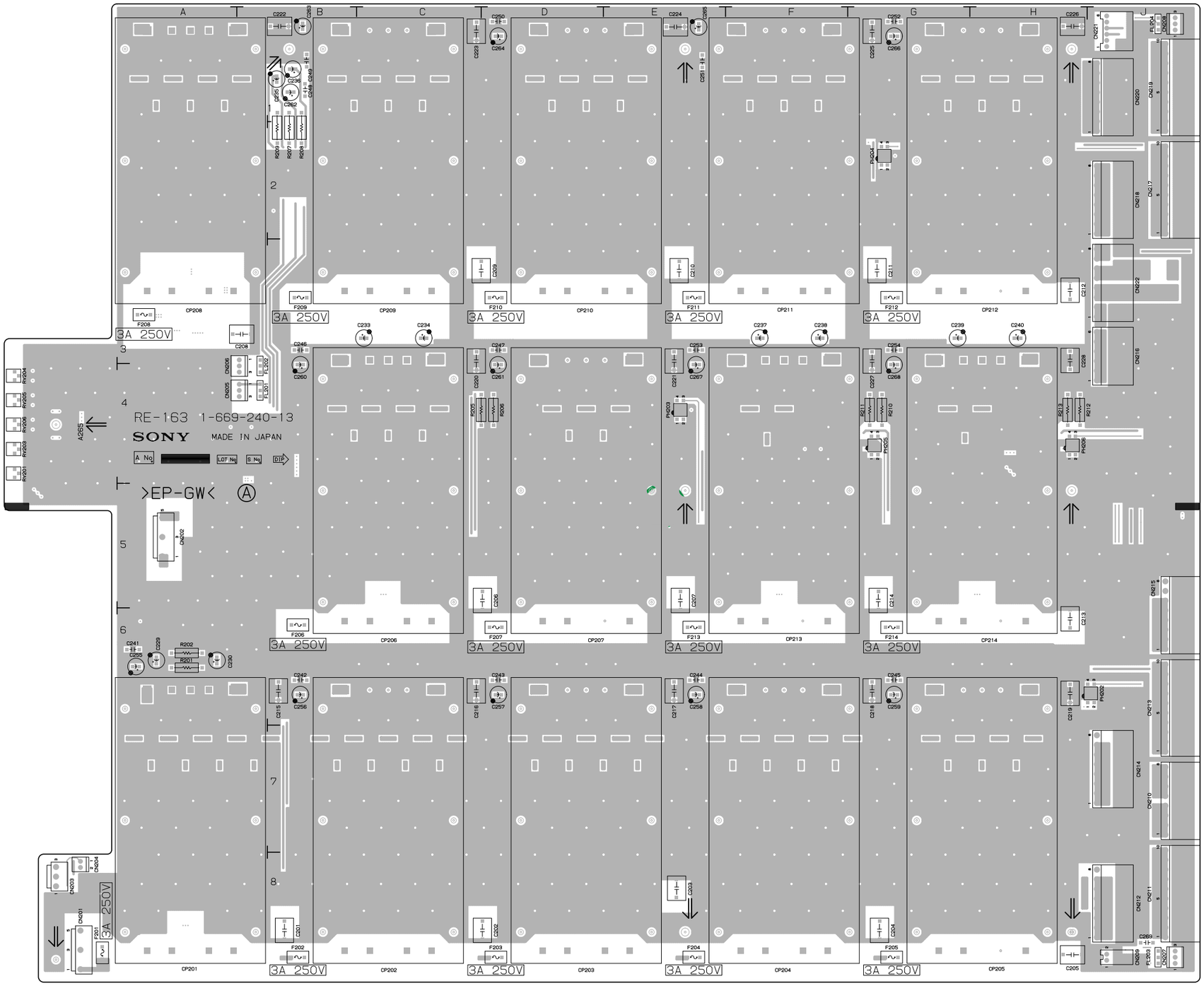
*:B SIDE



RE-162 -B SIDE-

SUFFIX: -12

HKDS-7690

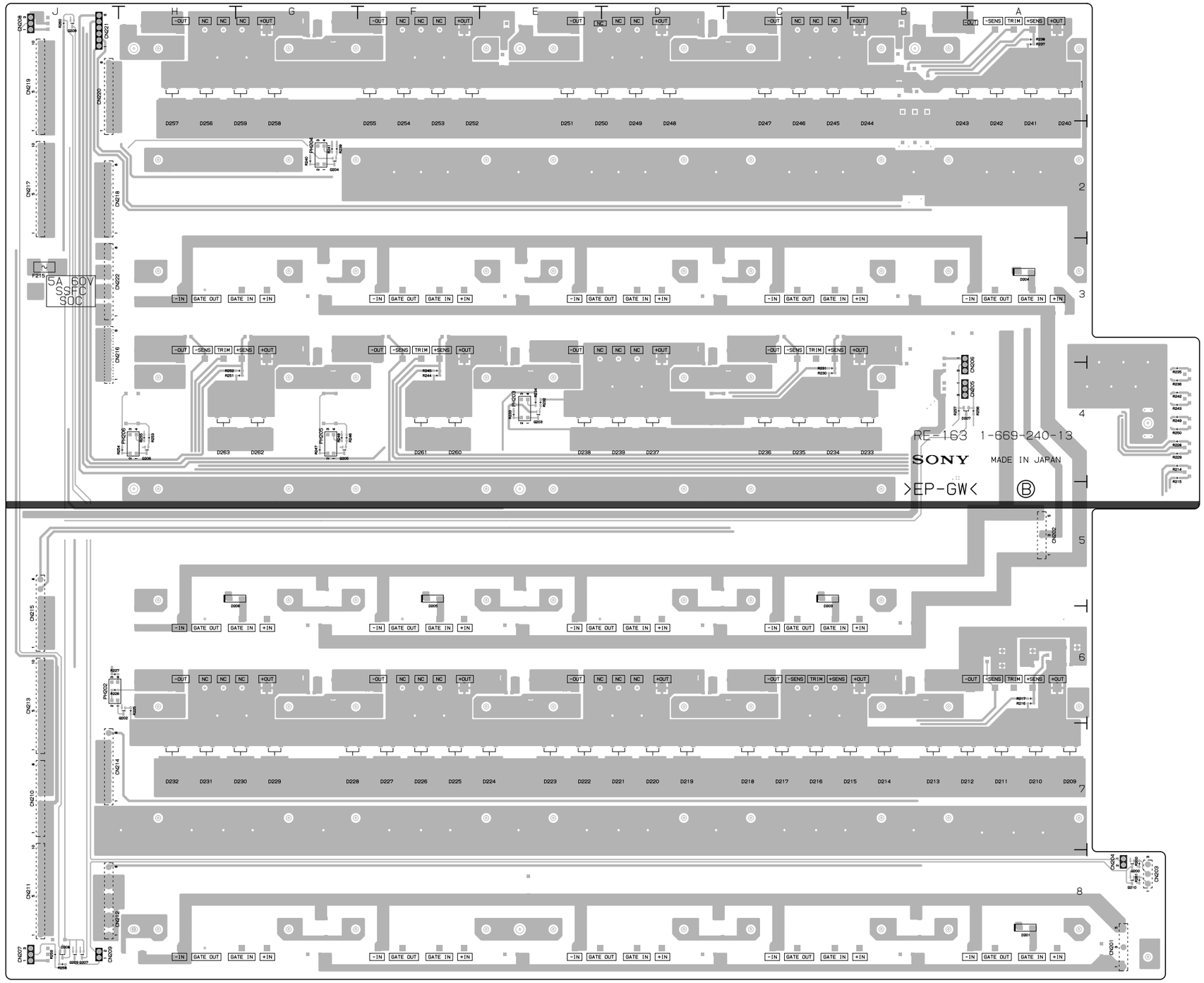


HKDS-7690 (J) : S/N 10001 and Higher
HKDS-7690 (UCJ) : S/N 11001 and Higher

RE-163 -A SIDE-
SUFFIX: -13
HKDS-7690

RE-163 (1-669-240-13)

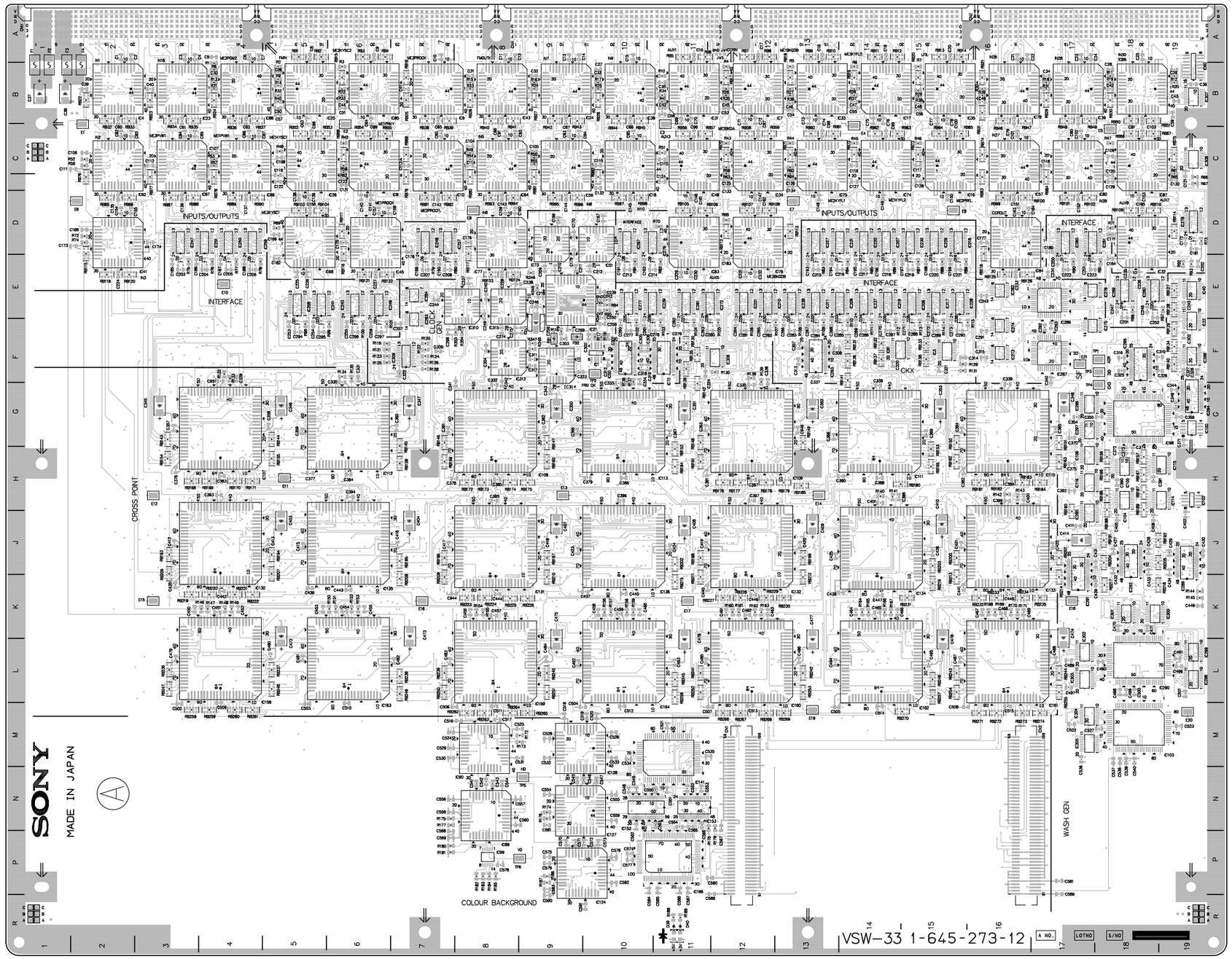
CN201	A8	D256	*H1				
CN202	A5	D257	*H1				
CN203	A8	D258	*G1				
CN204	A8	D259	*G1				
CN205	B4	D260	*F4				
CN206	B4	D261	*F4				
CN207	J8	D262	*G4				
CN208	J1	D263	*H4				
CN209	J8						
CN210	J7	F201	A8				
CN211	J8	F202	B8				
CN212	J8	F203	D8				
CN213	J6	F204	E8				
CN214	J7	F205	G8				
CN215	J6	F206	B6				
CN216	J3	F207	D6				
CN217	J2	F208	A3				
CN218	J2	F209	B3				
CN219	J1	F210	D3				
CN220	J1	F211	E3				
CN221	J1	F212	G3				
CN222	J3	F213	E6				
		F214	G6				
CP201	A7	F215	*J3				
CP202	C7						
CP203	D7	FL201	B4				
CP204	F7	FL202	B4				
CP205	H7	FL203	J8				
CP206	C5	FL204	J1				
CP207	D5						
CP208	A2	PH202	J6				
CP209	C2	PH203	E4				
CP210	D2	PH204	G2				
CP211	F2	PH205	G4				
CP212	H2	PH206	H4				
CP213	F5						
CP214	H5	Q200	*A8				
		Q202	*H6				
D201	*A8	Q203	*E4				
D203	*C5	Q204	*G2				
D204	*A3	Q205	*G4				
D205	*F5	Q206	*H4				
D206	*H5	Q207	*J8				
D207	*B4	Q208	*J1				
D208	*J8	Q209	*J8				
D209	*A7	Q210	*A8				
D210	*A7						
D211	*A7	RV201	A4				
D212	*B7	RV203	A4				
D213	*B7	RV204	A4				
D214	*B7	RV205	A4				
D215	*B7	RV206	A4				
D216	*C7						
D217	*C7	*:B SIDE					
D218	*C7						
D219	*D7						
D220	*D7						
D221	*D7						
D222	*E7						
D223	*E7						
D224	*E7						
D225	*F7						
D226	*F7						
D227	*F7						
D228	*G7						
D229	*G7						
D230	*G7						
D231	*H7						
D232	*H7						
D233	*B4						
D234	*C4						
D235	*C4						
D236	*C4						
D237	*D4						
D238	*E4						
D239	*D4						
D240	*A1						
D241	*A1						
D242	*A1						
D243	*B1						
D244	*B1						
D245	*C1						
D246	*C1						
D247	*C1						
D248	*D1						
D249	*D1						
D250	*E1						
D251	*E1						
D252	*F1						
D253	*F1						
D254	*F1						
D255	*F1						



RE-163 -B SIDE-

SUFFIX: -13

HKDS-7690



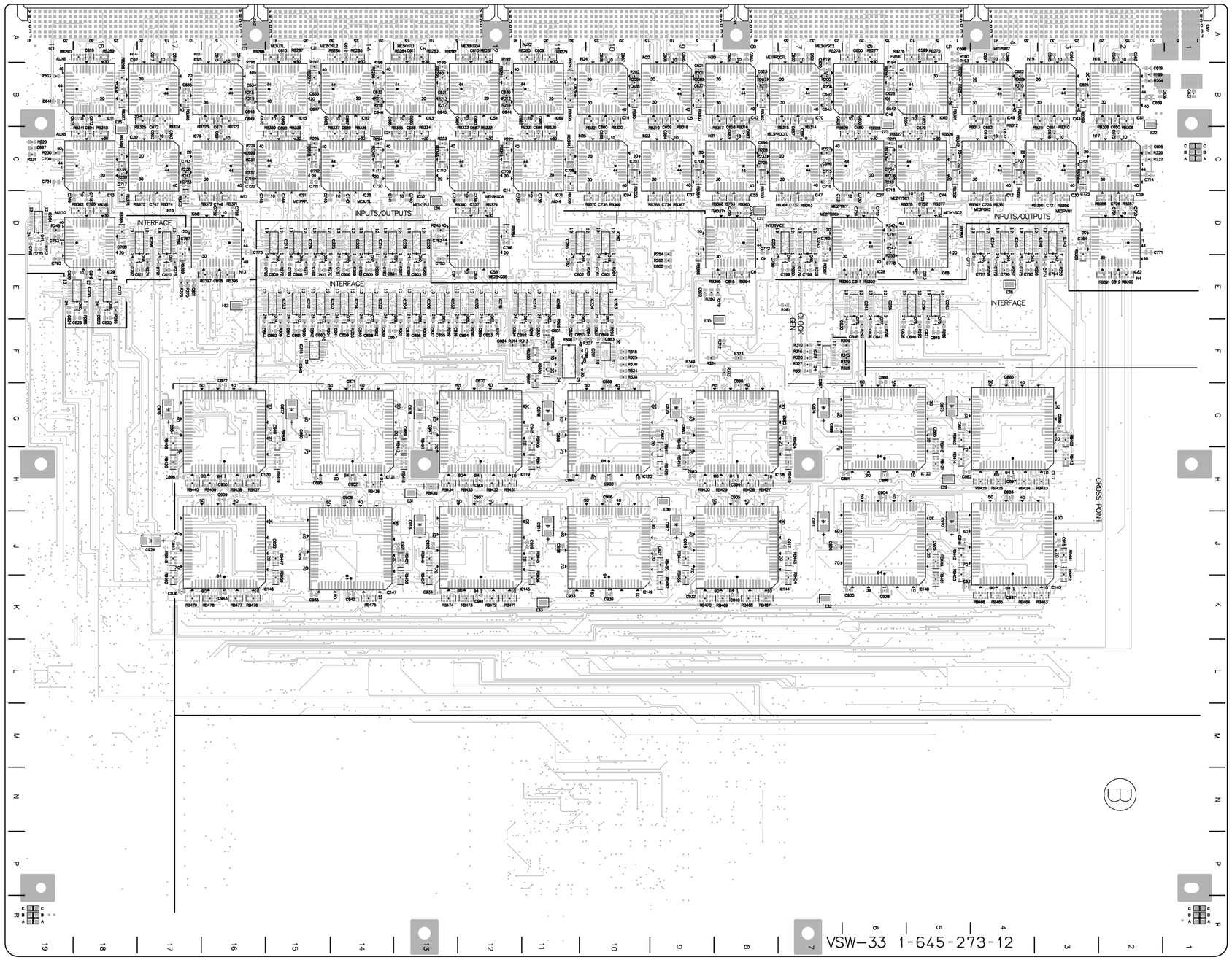
HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

VSW-33 -A SIDE-
SUFFIX: -12

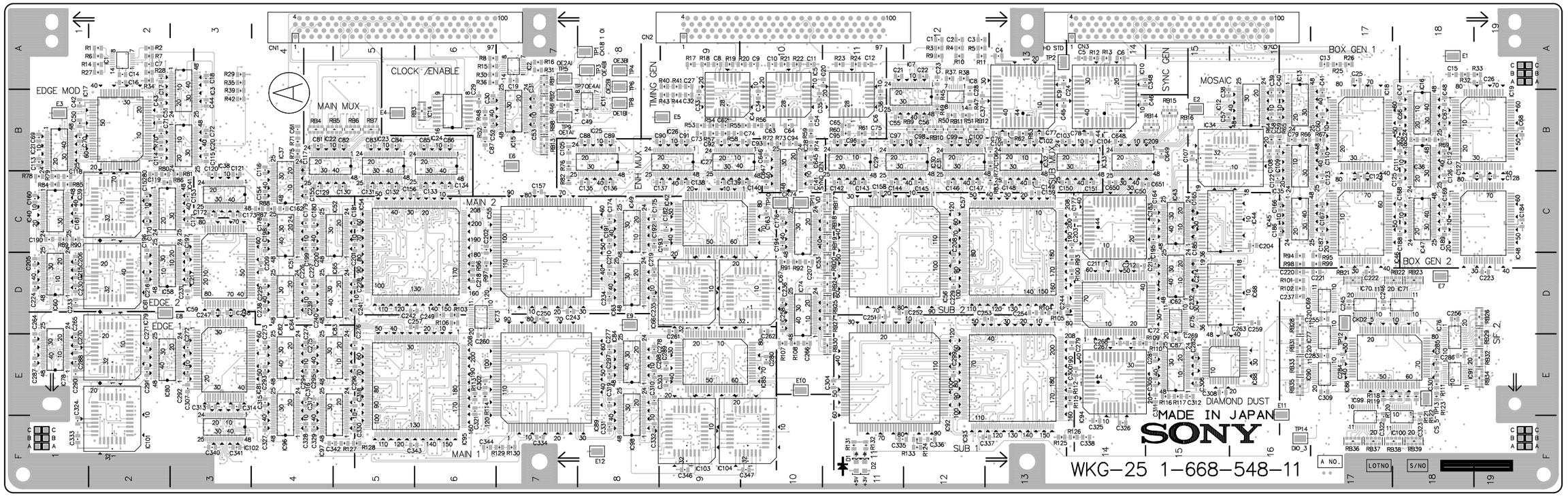
VSW-33 (1-645-273-12)

CN1	N12	E11	H5	IC60	B19	IC201	*F10	IC293	F13
CN2	N16	E12	H3	IC61	F14	IC202	*D14	IC294	G19
		E13	H9	IC62	C2	IC203	*E15	IC295	F18
D1	D19	E14	H13	IC63	*B3	IC204	*E13	IC296	G17
D2	E3	E15	K3	IC64	C8	IC205	*E12	IC297	G17
D3	E4	E16	K7	IC65	*B5	IC206	*E13	IC298	L19
D4	E4	E17	K11	IC66	*D5	IC207	D14	IC299	L19
D5	E4	E18	K17	IC67	C3	IC208	E15	IC300	K18
D6	E7	E19	M13	IC68	D5	IC209	E14	IC301	K18
D7	E7	E20	M19	IC69	*B11	IC210	E12	IC302	L17
D8	E10	E21	F17	IC70	*B7	IC211	E13	IC303	L17
D9	E11	E22	*B2	IC71	*C11	IC212	*E15	IC304	M17
D10	E13	E23	*B6	IC72	F11	IC213	*D15	IC305	M17
D11	E14	E24	*C14	IC73	D9	IC214	*E14	IC306	F12
D12	E14	E25	*C18	IC74	C14	IC215	*D14	IC307	B19
D13	E14	E26	*D13	IC75	C13	IC216	*E12	IC308	C19
D14	E15	E27	*D8	IC76	D12	IC217	E15	IC309	F7
D15	E15	E28	*E4	IC77	D8	IC218	D15	IC310	E8
D16	E15	E29	*H5	IC78	B16	IC219	E14	IC311	*F7
D17	E17	E30	*H9	IC79	*C16	IC220	D14	IC312	F8
D18	E17	E31	*H13	IC80	C17	IC221	E12	IC314	F9
D19	E18	E32	*K7	IC81	*B2	IC222	*D13	IC315	E8
D20	E18	E33	*K11	IC82	*D2	IC223	*E15	IC316	*F15
D21	F5	E34	*E16	IC83	D11	IC224	*D15		
D22	F5	E35	*F8	IC84	D16	IC225	*D15	RB1	A5
D23	F6			IC85	B6	IC226	*D13	RB2	A5
D24	F6	F1	B1	IC86	B4	IC227	D13	RB3	A6
D25	F10	F2	B1	IC87	C18	IC228	E15	RB4	A6
D26	F11	F3	B1	IC88	C4	IC229	D15	RB5	A11
D27	F11	F4	B2	IC89	N8	IC230	D15	RB6	A11
D28	F12			IC90	M8	IC231	D14	RB7	A12
D29	F12	FB1	F9	IC91	*C15	IC232	*E14	RB8	A12
D30	F12	FB2	F9	IC92	*B14	IC233	*E13	RB9	A13
D31	F13			IC93	*B13	IC234	*E10	RB10	A13
D32	F13	IC1	F10	IC94	*C10	IC235	*E6	RB11	A14
D33	F14	IC3	F15	IC95	*B16	IC236	*E5	RB12	A14
D34	F14	IC4	B2	IC96	B18	IC237	E14	RB13	A15
D35	F14	IC5	*B9	IC97	*B17	IC238	E13	RB14	A15
D36	F15	IC6	*D8	IC98	G18	IC239	E11	RB15	B6
D37	F15	IC7	B12	IC99	P8	IC240	E6	RB16	B7
D38	F15	IC8	C6	IC100	G19	IC241	E6	RB17	B12
D39	R11	IC9	B7	IC102	H19	IC242	*D3	RB18	B13
D40	R11	IC10	C7	IC103	M18	IC243	*D7	RB19	B14
D41	*D19	IC11	*B18	IC104	H18	IC244	*E6	RB20	B15
D42	*E3	IC12	*C4	IC105	H18	IC245	*D4	RB21	B16
D43	*E4	IC13	*C18	IC106	H17	IC246	*D4	RB22	B2
D44	*E4	IC14	*C12	IC107	G4	IC247	D3	RB23	B3
D45	*E4	IC15	*B15	IC108	G8	IC248	D7	RB24	B4
D46	*E7	IC16	C15	IC109	G12	IC249	E6	RB25	B7
D47	*E7	IC17	B14	IC110	G16	IC250	D4	RB26	B8
D48	*E10	IC18	C10	IC111	G14	IC251	D4	RB27	B9
D49	*E11	IC19	*B10	IC112	G6	IC252	*D7	RB28	B10
D50	*E13	IC20	*C17	IC113	G10	IC253	*E5	RB29	B17
D51	*E14	IC21	E9	IC114	H19	IC254	*D4	RB30	B18
D52	*E14	IC22	F19	IC115	H19	IC255	*E18	RB31	B16
D53	*E14	IC23	B3	IC116	H17	IC256	*D17	RB32	B2
D54	*E15	IC24	B9	IC117	*G4	IC257	D8	RB33	B2
D55	*E15	IC25	B5	IC118	*G8	IC258	E5	RB34	B3
D56	*E15	IC26	C5	IC119	*G12	IC259	D4	RB35	B3
D57	*E17	IC27	*C6	IC120	*G16	IC260	E19	RB36	B4
D58	*E17	IC28	*D6	IC121	*G14	IC261	D18	RB37	B4
D59	*E18	IC29	*D18	IC122	*G6	IC262	*D10	RB38	B7
D60	*E18	IC30	*C3	IC123	*G10	IC263	*E10	RB39	B7
D61	*F10	IC31	B11	IC124	P9	IC264	*D19	RB40	B8
D62	*F11	IC32	D18	IC127	N9	IC265	*D10	RB41	B8
D63	*F11	IC33	B13	IC128	M9	IC266	*D17	RB42	B9
D64	*F11	IC34	C12	IC130	J4	IC267	D10	RB43	B9
D65	*F12	IC35	B15	IC131	J8	IC268	*E11	RB44	B10
D66	*F12	IC36	*C14	IC132	J12	IC269	E18	RB45	B10
D67	*F13	IC37	*C9	IC133	J16	IC270	*E11	RB46	B16
D68	*F13	IC38	B10	IC134	J14	IC271	*E18	RB47	B16
D69	*F14	IC39	B17	IC135	J6	IC272	E12	RB48	B17
D70	*F14	IC40	E19	IC136	J10	IC273	F16	RB49	B17
D71	*F14	IC41	D2	IC141	M11	IC274	F16	RB50	B18
D72	*F15	IC42	*B8	IC143	*J4	IC275	F17	RB51	B18
D73	*F15	IC43	B8	IC144	*J8	IC276	E17	RB52	C5
D74	*F15	IC44	*C5	IC145	*J12	IC277	E10	RB53	C5
D75	*F5	IC45	D6	IC146	*J16	IC278	D19	RB54	C6
D76	*F5	IC46	*B6	IC147	*J14	IC279	D11	RB55	C6
D77	*F6	IC47	*C7	IC148	*J6	IC280	D17	RB56	C11
D78	*F6	IC48	C11	IC149	*J10	IC281	E11	RB57	C11
		IC49	*B4	IC152	N11	IC282	E16	RB58	C12
E1	C2	IC50	F10	IC153	N11	IC283	F7	RB59	C12
E2	C6	IC51	D10	IC158	L4	IC284	E7	RB60	C13
E3	C11	IC52	*C13	IC159	L8	IC285	J17	RB61	C13
E4	C14	IC53	*D12	IC160	L12	IC286	E17	RB62	C14
E5	C18	IC54	*B12	IC161	L16	IC287	F17	RB63	C14
E6	D2	IC55	*C8	IC162	L14	IC288	F19	RB64	C15
E7	D13	IC56	C9	IC163	L6	IC289	J19	RB65	C15
E8	D8	IC57	C16	IC164	L10	IC290	L18	RB66	C18
E9	D15	IC58	*D16	IC166	P11	IC291	J17	RB67	C18
E10	E4	IC59	*C2	IC200	*F11	IC292	J18	RB68	C6

RB69	C7	RB161	H11	RB253	L13	RB345	*C12	RB437	*H16
RB70	C12	RB162	H15	RB254	L15	RB346	*C13	RB438	*H16
RB71	C13	RB163	H17	RB255	L17	RB347	*C14	RB439	*H16
RB72	C14	RB164	H11	RB256	L11	RB348	*C15	RB440	*H17
RB73	C15	RB165	H15	RB257	L15	RB349	*C18	RB441	*J3
RB74	C16	RB166	H18	RB258	M3	RB350	*C3	RB442	*J5
RB75	C19	RB167	H18	RB259	M4	RB351	*C4	RB443	*J7
RB76	C2	RB168	H3	RB260	M4	RB352	*C5	RB444	*J9
RB77	C3	RB169	H4	RB261	M4	RB353	*C8	RB445	*J11
RB78	C4	RB170	H4	RB262	M8	RB354	*C9	RB446	*J13
RB79	C7	RB171	H4	RB263	M8	RB355	*C10	RB447	*J15
RB80	C8	RB172	H8	RB264	M8	RB356	*C11	RB448	*J17
RB81	C9	RB173	H8	RB265	M9	RB357	*D2	RB449	*J5
RB82	C10	RB174	H8	RB266	M12	RB358	*D2	RB450	*J9
RB83	C16	RB175	H9	RB267	M12	RB359	*D3	RB451	*J13
RB84	C17	RB176	H12	RB268	M12	RB360	*D3	RB452	*J3
RB85	D2	RB177	H12	RB269	M13	RB361	*D4	RB453	*J5
RB86	D2	RB178	H12	RB270	M15	RB362	*D4	RB454	*K7
RB87	D3	RB179	H13	RB271	M16	RB363	*D7	RB455	*K9
RB88	D3	RB180	H14	RB272	M16	RB364	*D7	RB456	*K11
RB89	D4	RB181	H16	RB273	M16	RB365	*D8	RB457	*K13
RB90	D4	RB182	H16	RB274	M17	RB366	*D8	RB458	*K13
RB91	D7	RB183	H16	RB275	*A5	RB367	*D9	RB459	*K15
RB92	D7	RB184	H17	RB276	*A5	RB368	*D9	RB460	*K17
RB93	D8	RB185	H13	RB277	*A6	RB369	*D10	RB461	*K5
RB94	D8	RB186	H18	RB278	*A6	RB370	*D10	RB462	*K9
RB95	D9	RB187	H18	RB279	*A11	RB371	*D16	RB463	*K3
RB96	D9	RB188	H18	RB280	*A11	RB372	*D16	RB464	*K4
RB97	D10	RB189	H18	RB281	*A12	RB373	*D17	RB465	*K4
RB98	D10	RB190	J17	RB282	*A12	RB374	*D17	RB466	*K4
RB99	D16	RB191	J18	RB283	*A13	RB375	*D17	RB467	*K8
RB100	D16	RB192	J18	RB284	*A13	RB376	*D18	RB468	*K8
RB101	D17	RB193	J3	RB285	*A14	RB377	*D5	RB469	*K8
RB102	D17	RB194	J5	RB286	*A14	RB378	*D5	RB470	*K9
RB103	D5	RB195	J7	RB287	*A15	RB379	*D12	RB471	*K12
RB104	D5	RB196	J7	RB288	*A15	RB380	*D12	RB472	*K12
RB105	D11	RB197	J9	RB289	*A18	RB381	*D18	RB473	*K12
RB106	D11	RB198	J11	RB290	*A18	RB382	*D18	RB474	*K13
RB107	D12	RB199	J13	RB291	*B5	RB383	*D5	RB475	*K14
RB108	D12	RB200	J15	RB292	*B6	RB384	*D12	RB476	*K16
RB109	D18	RB201	J17	RB293	*B11	RB385	*D18	RB477	*K16
RB110	D18	RB202	J11	RB294	*B12	RB386	*D3	RB478	*K16
RB111	D6	RB203	J15	RB295	*B13	RB387	*D7	RB479	*K17
RB112	D12	RB204	J18	RB296	*B14	RB388	*D9		
RB113	D13	RB205	J18	RB297	*B15	RB389	*D17	TP1	F18
RB114	D19	RB206	J3	RB298	*B18	RB390	*E2	TP2	F10
RB115	D2	RB207	J5	RB299	*B3	RB391	*E2	TP3	F18
RB116	D6	RB208	K7	RB300	*B4	RB392	*E6	TP4	G18
RB117	D8	RB209	K7	RB301	*B5	RB393	*E6	TP5	N9
RB118	D16	RB210	K9	RB302	*B8	RB394	*E8	TP6	P9
RB119	E2	RB211	K11	RB303	*B9	RB395	*E8		
RB120	E2	RB212	K13	RB304	*B10	RB396	*E16	*:B SIDE	
RB121	E6	RB213	K15	RB305	*B11	RB397	*E16		
RB122	E6	RB214	K17	RB306	*B17	RB398	*F11		
RB123	E8	RB215	K11	RB307	*B18	RB399	*F11		
RB124	E8	RB216	K15	RB308	*B2	RB400	*F11		
RB125	E16	RB217	K18	RB309	*B2	RB401	*F11		
RB126	E16	RB218	K18	RB310	*B3	RB402	*G3		
RB127	E19	RB219	K3	RB311	*B3	RB403	*G5		
RB128	E19	RB220	K4	RB312	*B4	RB404	*G7		
RB129	F19	RB221	K4	RB313	*B4	RB405	*G9		
RB130	F11	RB222	K4	RB314	*B7	RB406	*G11		
RB131	F14	RB223	K8	RB315	*B7	RB407	*G13		
RB132	F14	RB224	K8	RB316	*B8	RB408	*G15		
RB133	F15	RB225	K8	RB317	*B8	RB409	*G17		
RB134	F19	RB226	K9	RB318	*B9	RB410	*G5		
RB135	F11	RB227	K12	RB319	*B9	RB411	*H9		
RB136	F14	RB228	K12	RB320	*B10	RB412	*G13		
RB137	F14	RB229	K12	RB321	*B10	RB413	*H3		
RB138	F15	RB230	K13	RB322	*B16	RB414	*H5		
RB139	F11	RB231	K15	RB323	*B16	RB415	*H7		
RB140	F19	RB232	K16	RB324	*B17	RB416	*H9		
RB141	F14	RB233	K16	RB325	*B17	RB417	*H11		
RB142	G11	RB234	K16	RB326	*C5	RB418	*H13		
RB143	G3	RB235	K17	RB327	*C5	RB419	*H15		
RB144	G5	RB236	L3	RB328	*C6	RB420	*H17		
RB145	G7	RB237	L5	RB329	*C6	RB421	*H5		
RB146	G7	RB238	L7	RB330	*C11	RB422	*H9		
RB147	G9	RB239	L7	RB331	*C11	RB423	*H3		
RB148	G11	RB240	L9	RB332	*C12	RB424	*H4		
RB149	G13	RB241	L11	RB333	*C12	RB425	*H4		
RB150	G15	RB242	L13	RB334	*C13	RB426	*H4		
RB151	G17	RB243	L15	RB335	*C13	RB427	*H8		
RB152	H11	RB244	L17	RB336	*C14	RB428	*H8		
RB153	H15	RB245	L11	RB337	*C14	RB429	*H8		
RB154	H3	RB246	L15	RB338	*C15	RB430	*H9		
RB155	H5	RB247	L3	RB339	*C15	RB431	*H12		
RB156	H18	RB248	L5	RB340	*C18	RB432	*H12		
RB157	H18	RB249	L7	RB341	*C18	RB433	*H12		
RB158	H7	RB250	L7	RB342	*C5	RB434	*H13		
RB159	H7	RB251	L9	RB343	*C6	RB435	*H13		
RB160	H9	RB252	L11	RB344	*C11	RB436	*H14		



VSW-33 -B SIDE-
SUFFIX: -12



HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

WKG-25 -A SIDE-
SUFFIX: -11

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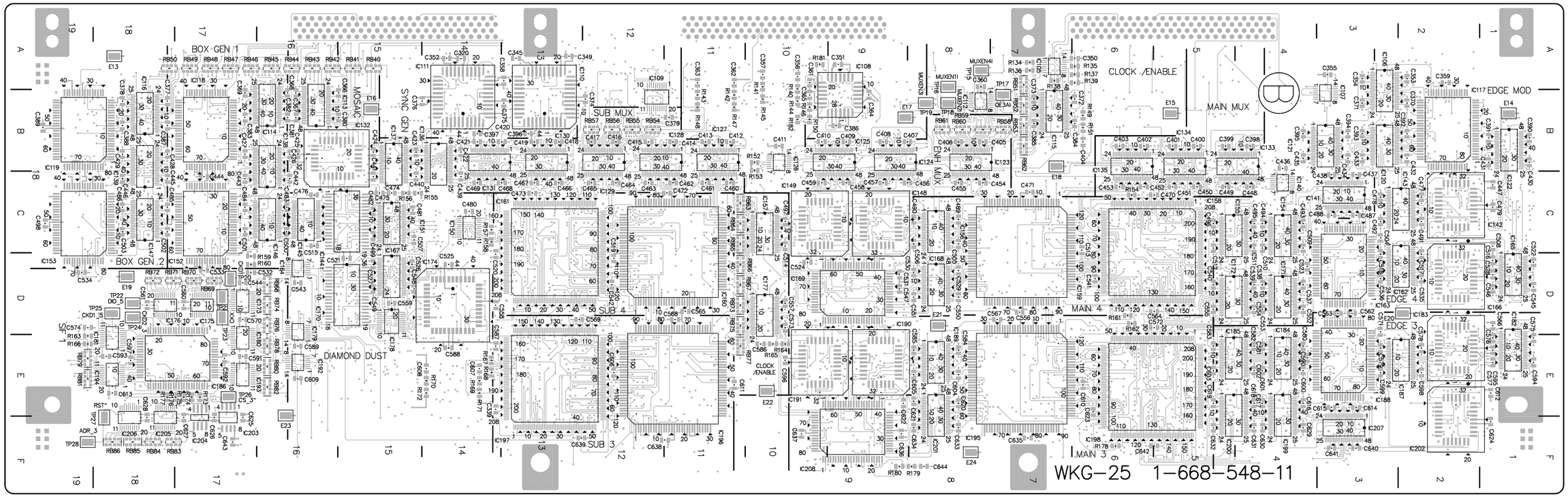
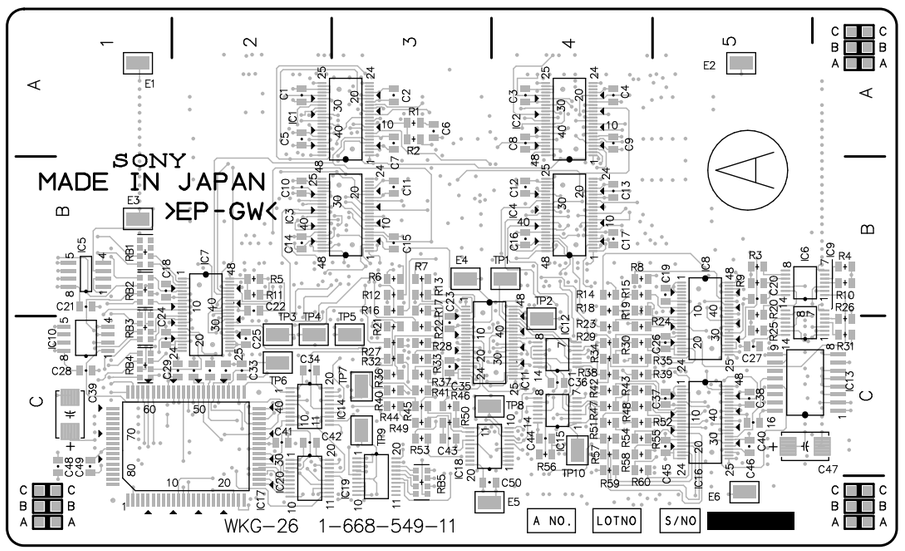
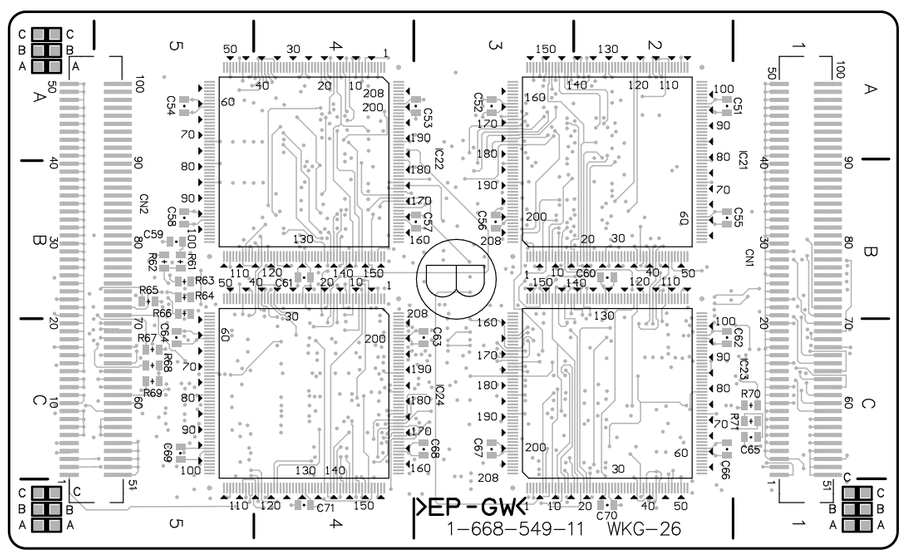


WKG-25 -B SIDE-
SUFFIX: -11

WKG-25 (1-668-548-11)

CN1	A4	IC3	B3	IC37	C4	IC71	D18	IC105	*A7	IC139	*B18	IC173	*D17	IC207	*F3	RB31	E16	RB65	*C11	TP12	D17
CN2	A9	IC4	B9	IC38	C3	IC72	D14	IC106	*B3	IC140	*C4	IC174	*D14	IC208	*F9	RB32	E19	RB66	*D11	TP13	E18
CN3	A14	IC5	B10	IC39	C2	IC73	D6	IC107	*B3	IC141	*C3	IC175	*D17	IC209	B14	RB33	E16	RB67	*D11	TP14	F16
		IC6	B11	IC40	C1	IC74	D10	IC108	*B9	IC142	*C2	IC176	*D18			RB34	E19	RB68	*D16	TP15	*A8
D1	F11	IC7	B12	IC41	C2	IC75	D15	IC109	*A11	IC143	*C2	IC177	*D10	RB1	A7	RB35	E16	RB69	*D17	TP16	*A8
D2	F11	IC8	B12	IC42	C9	IC76	E18	IC110	*B13	IC144	*C16	IC178	*D15	RB2	B7	RB36	F17	RB70	*D17	TP17	*B7
		IC9	B13	IC43	C15	IC77	E17	IC111	*B14	IC145	*C16	IC179	*D16	RB3	B6	RB37	F17	RB71	*D18	TP18	*B8
E1	A18	IC10	B14	IC44	C16	IC78	E1	IC112	*B8	IC146	*C16	IC180	*E17	RB4	B4	RB38	F18	RB72	*D18	TP19	*B8
E2	B15	IC11	B8	IC45	C16	IC79	E2	IC113	*B16	IC147	*C18	IC181	*E18	RB5	B5	RB39	F18	RB73	*D11	TP20	*D17
E3	B1	IC12	B16	IC46	C17	IC80	E2	IC114	*B16	IC148	*C9	IC182	*E1	RB6	B5	RB40	*A15	RB74	*D16	TP21	*D17
E4	B5	IC13	B16	IC47	C18	IC81	E3	IC115	*B7	IC149	*C10	IC183	*E2	RB7	B5	RB41	*A15	RB75	*D11	TP22	*D18
E5	B9	IC14	B6	IC48	C19	IC82	E4	IC116	*B18	IC150	*C14	IC184	*E4	RB8	B7	RB42	*A16	RB76	*D16	TP23	*D17
E6	B7	IC15	B7	IC49	C8	IC83	E5	IC117	*B2	IC151	*C15	IC185	*E5	RB9	B12	RB43	*A16	RB77	*E11	TP24	*D18
E7	D18	IC16	B18	IC50	C14	IC84	E8	IC118	*B17	IC152	*C17	IC186	*E17	RB10	B12	RB44	*A16	RB78	*E16	TP25	*D18
E8	D2	IC17	B2	IC51	C4	IC85	E9	IC119	*B19	IC153	*C19	IC187	*E2	RB11	B12	RB45	*A16	RB79	*E19	TP26	*E17
E9	D8	IC18	B17	IC52	C5	IC86	E17	IC120	*B3	IC154	*C4	IC188	*E3	RB12	B12	RB46	*A17	RB80	*E16	TP27	*F18
E10	E10	IC19	B19	IC53	C10	IC87	E15	IC121	*B3	IC155	*C5	IC189	*E8	RB13	B7	RB47	*A17	RB81	*E19	TP28	*F19
E11	E16	IC20	B3	IC54	C6	IC88	E15	IC122	*B1	IC156	*C8	IC190	*E9	RB14	B15	RB48	*A17	RB82	*E16		
E12	F8	IC21	B1	IC55	C7	IC89	E7	IC123	*B8	IC157	*C10	IC191	*E10	RB15	B15	RB49	*A17	RB83	*F18	*:B SIDE	
E13	*A18	IC22	B4	IC56	C11	IC90	E17	IC124	*B9	IC158	*C6	IC192	*E16	RB16	B15	RB50	*A18	RB84	*F18		
E14	*B1	IC23	B5	IC57	C13	IC91	E18	IC125	*B9	IC159	*C7	IC193	*E17	RB17	C11	RB51	*A7	RB85	*F18		
E15	*B5	IC24	B6	IC58	D2	IC92	E11	IC126	*B10	IC160	*C11	IC194	*E18	RB18	C11	RB52	*B7	RB86	*F18		
E16	*B15	IC25	B8	IC59	D3	IC93	E13	IC127	*B11	IC161	*C13	IC195	*E7	RB19	C11	RB53	*B7				
E17	*B9	IC26	B9	IC60	D1	IC94	E14	IC128	*B12	IC162	*D2	IC196	*E11	RB20	D11	RB54	*B12	TP1	A8		
E18	*B7	IC27	B9	IC61	D2	IC95	E6	IC129	*B12	IC163	*D3	IC197	*E13	RB21	D17	RB55	*B12	TP2	A13		
E19	*D18	IC28	B10	IC62	D15	IC96	E4	IC130	*B13	IC164	*D16	IC198	*E6	RB22	D18	RB56	*B12	TP3	A8		
E20	*D2	IC29	B11	IC63	D8	IC97	E5	IC131	*B14	IC165	*D1	IC199	*E4	RB23	D18	RB57	*B12	TP4	A8		
E21	*D8	IC30	B12	IC64	D4	IC98	E8	IC132	*B16	IC166	*D2	IC200	*E5	RB24	D11	RB58	*B7	TP5	A7		
E22	*E10	IC31	B12	IC65	D5	IC99	F17	IC133	*B4	IC167	*D15	IC201	*E8	RB25	D11	RB59	*B8	TP6	A8		
E23	*E16	IC32	B13	IC66	D9	IC100	F18	IC134	*B5	IC168	*D8	IC202	*F2	RB26	D19	RB60	*B8	TP7	B7		
E24	*F8	IC33	B14	IC67	D10	IC101	F2	IC135	*B6	IC169	*D9	IC203	*F17	RB27	D11	RB61	*B8	TP8	B8		
		IC34	B16	IC68	D16	IC102	F3	IC136	*B14	IC170	*D16	IC204	*F17	RB28	D16	RB62	*B7	TP9	B7		
IC1	A2	IC35	B16	IC69	D17	IC103	F9	IC137	*B15	IC171	*D4	IC205	*F18	RB29	E19	RB63	*C11	TP10	C10		
IC2	A7	IC36	B18	IC70	D17	IC104	F10	IC138	*B16	IC172	*D5	IC206	*F18	RB30	E11	RB64	*C11	TP11	C10		





HDS-7000 (J) : S/N 10001 and Higher
HDS-7000 (UCJ) : S/N 11001 and Higher

WKG-26 -A SIDE-

SUFFIX: -11

WKG-26 -B SIDE-

SUFFIX: -11

WKG-26 (1-668-549-11)

CN1	*B1	RB3	C1
CN2	*B5	RB4	C1
		RB5	C3
E1	A1		
E2	A5	TP1	B4
E3	B1	TP2	C4
E4	B3	TP3	C2
E5	C3	TP4	C2
E6	C5	TP5	C3
		TP6	C2
IC1	A3	TP7	C3
IC2	A4	TP8	C3
IC3	B3	TP9	C3
IC4	B4	TP10	C4
IC5	B1		
IC6	B5	*:B SIDE	
IC7	B2		
IC8	C5		
IC9	C5		
IC10	C1		
IC11	C3		
IC12	C4		
IC13	C5		
IC14	C2		
IC15	C4		
IC16	C5		
IC17	C2		
IC18	C3		
IC19	C3		
IC20	C2		
IC21	*B2		
IC22	*B4		
IC23	*C2		
IC24	*C4		
RB2	B1		

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SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer :

Check the metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 3.5 mA. Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 5.25 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 20 V AC range are suitable. (See Fig. A)

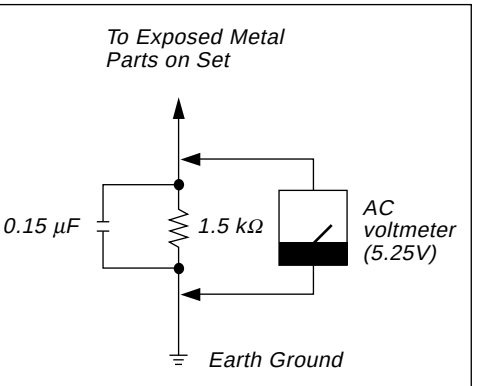

Fig A. Using an AC voltmeter to check AC leakage.

HDS-7000 (J, UCJ)
HKDS-7690 (J, UCJ)
BKDS-7011 (SY)
BKDS-7012 (SY)
BKDS-7025 (SY)
BKDS-7026 (JN) J, E
9-968-528-01

Sony Corporation
Broadcasting & Professional Systems Company

Printed in Japan
1998. 9 08
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